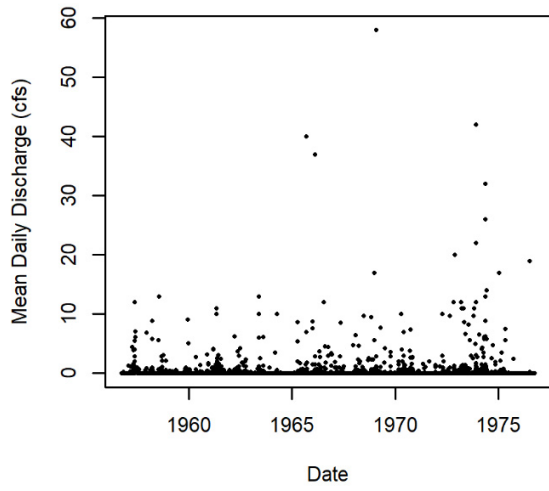
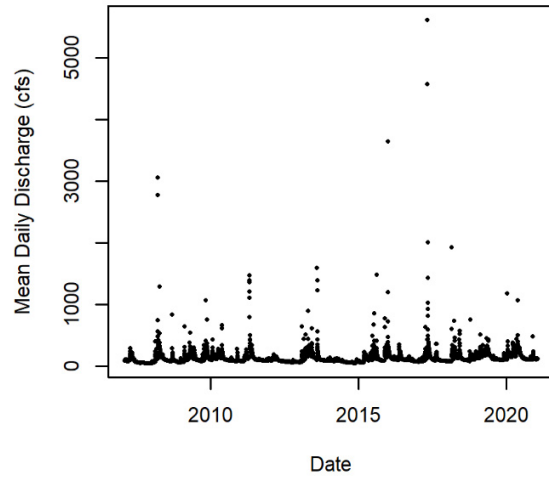


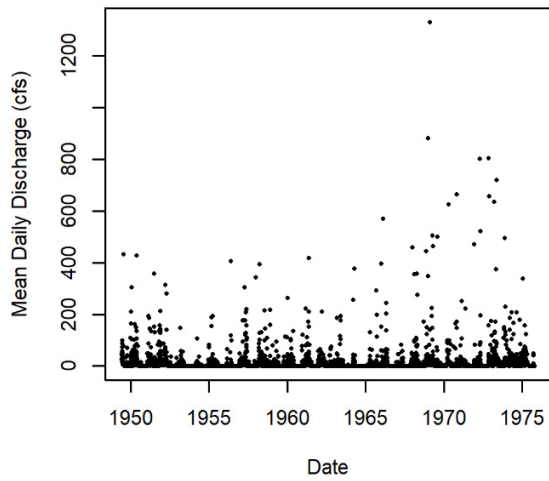
Mean Daily Discharge Station: 7064300



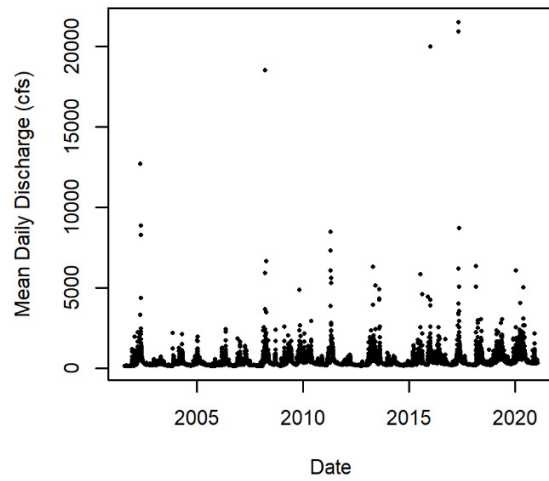
Mean Daily Discharge Station: 7064440



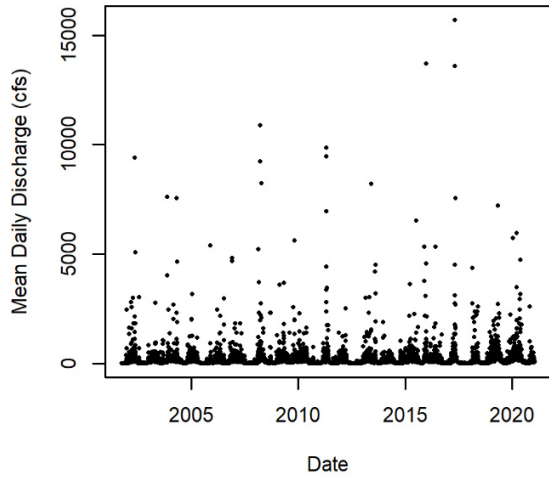
Mean Daily Discharge Station: 7064500



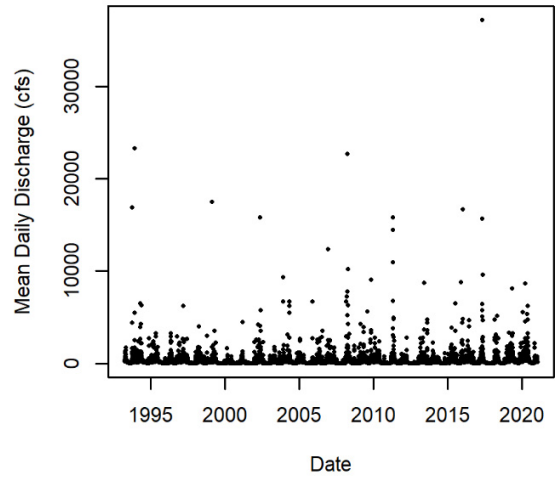
Mean Daily Discharge Station: 7064533



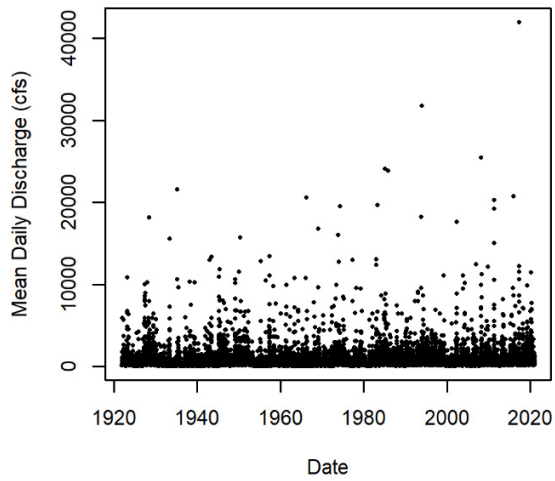
Mean Daily Discharge Station: 7065200



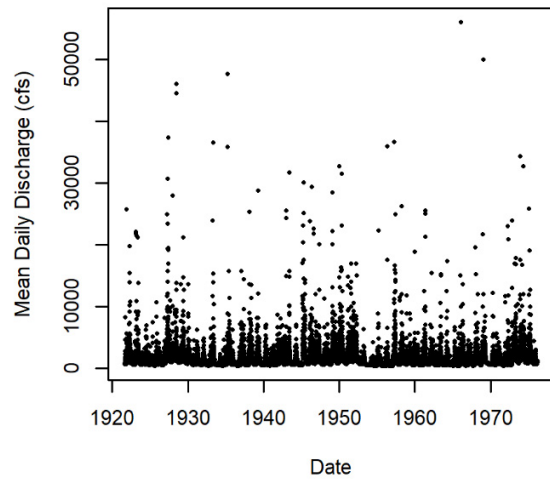
Mean Daily Discharge Station: 7065495



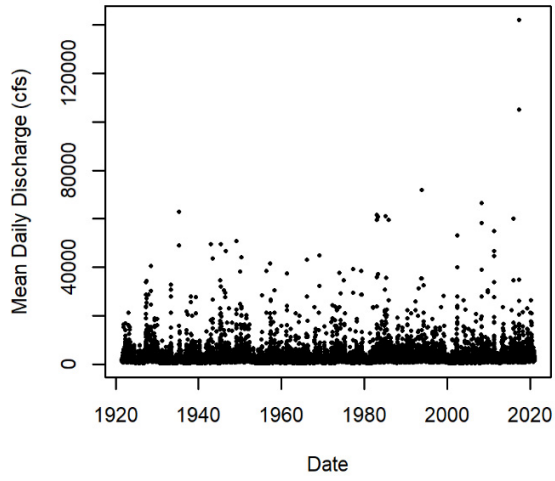
Mean Daily Discharge Station: 7066000



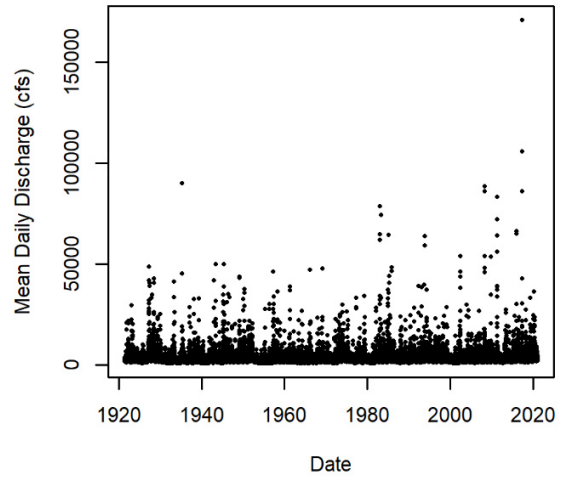
Mean Daily Discharge Station: 7066500



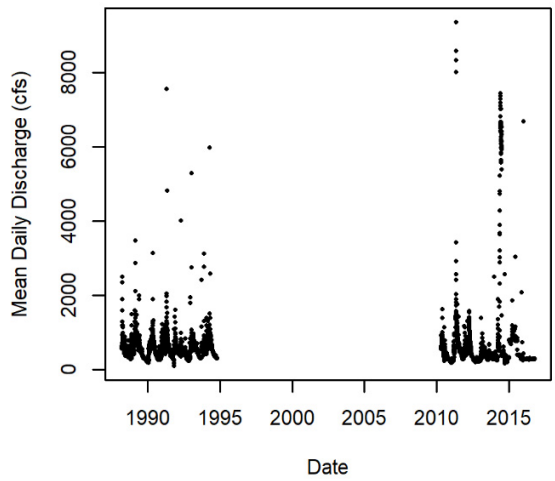
Mean Daily Discharge Station: 7067000



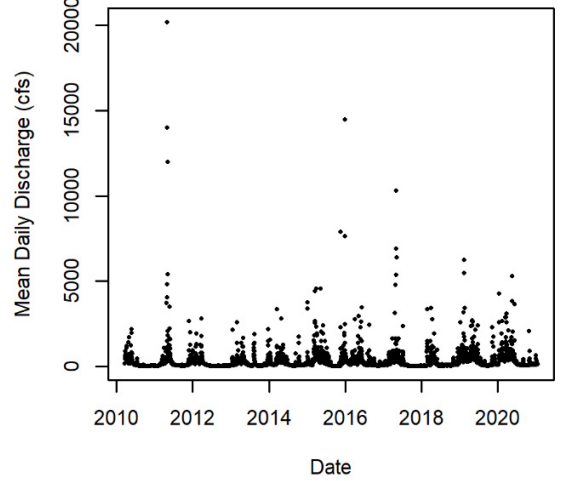
Mean Daily Discharge Station: 7068000



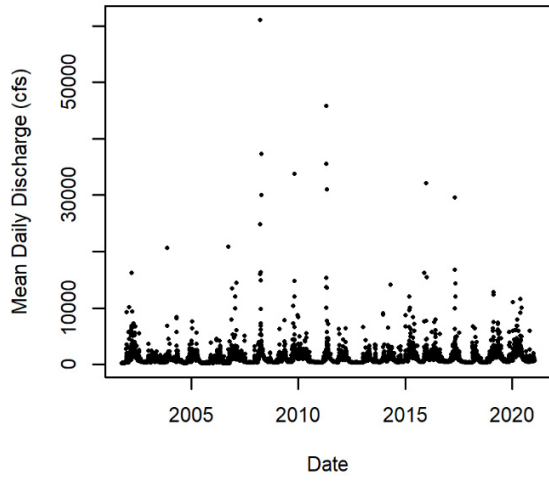
Mean Daily Discharge Station: 7069220



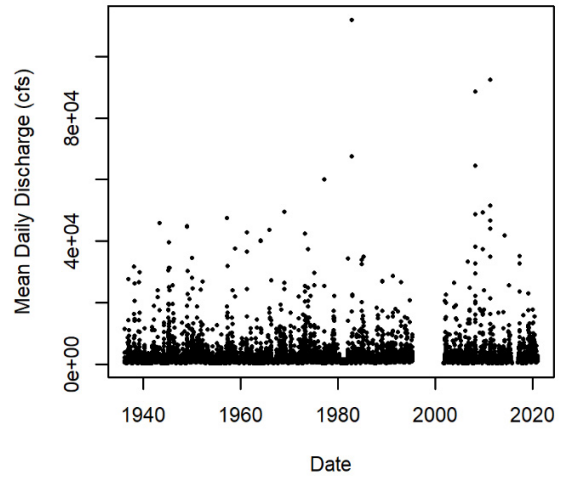
Mean Daily Discharge Station: 7069295



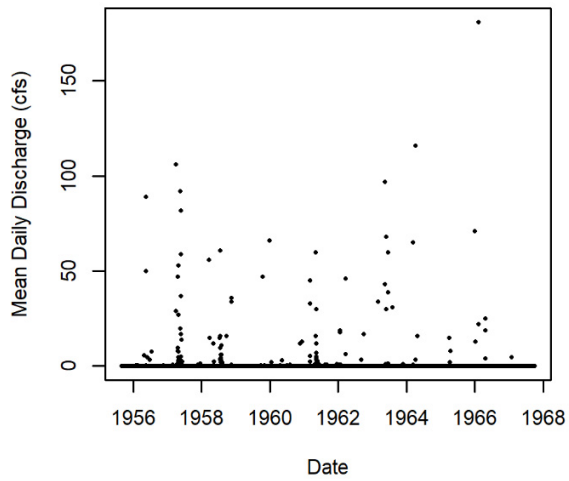
Mean Daily Discharge Station: 7069305



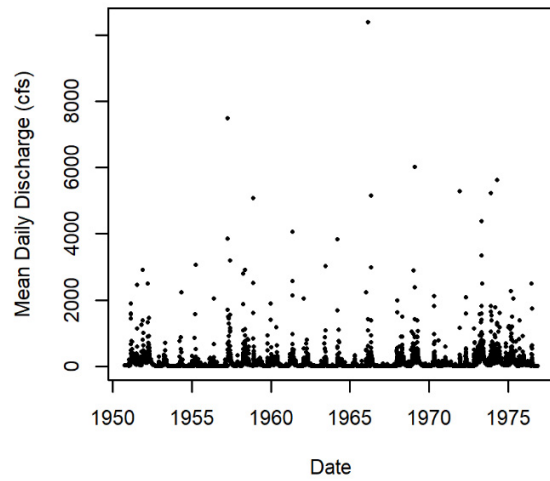
Mean Daily Discharge Station: 7069500



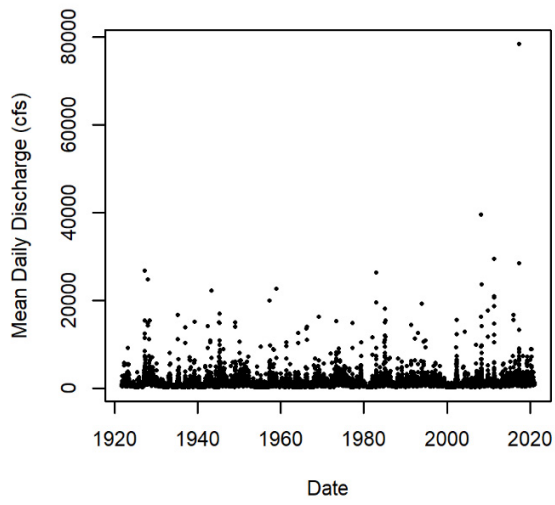
Mean Daily Discharge Station: 7070000



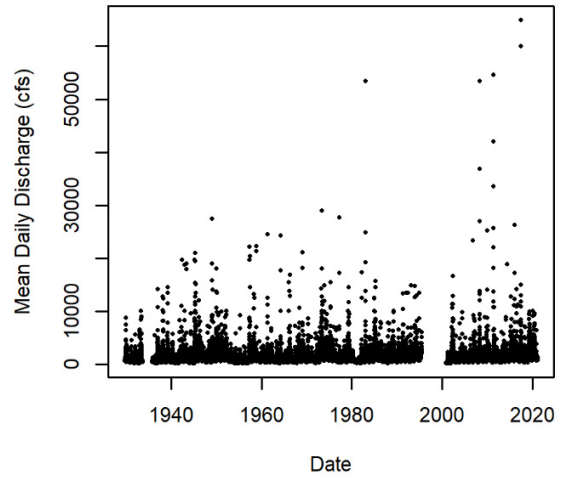
Mean Daily Discharge Station: 7070500



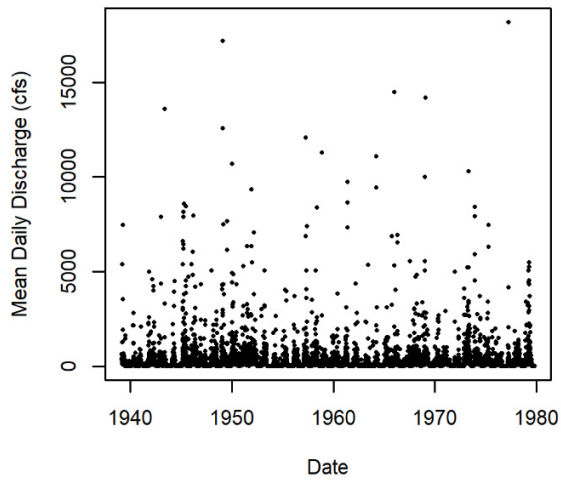
Mean Daily Discharge Station: 7071500



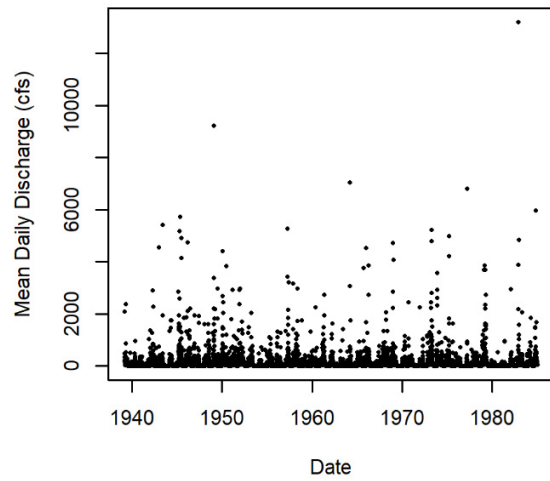
Mean Daily Discharge Station: 7072000



Mean Daily Discharge Station: 7073000



Mean Daily Discharge Station: 7073500



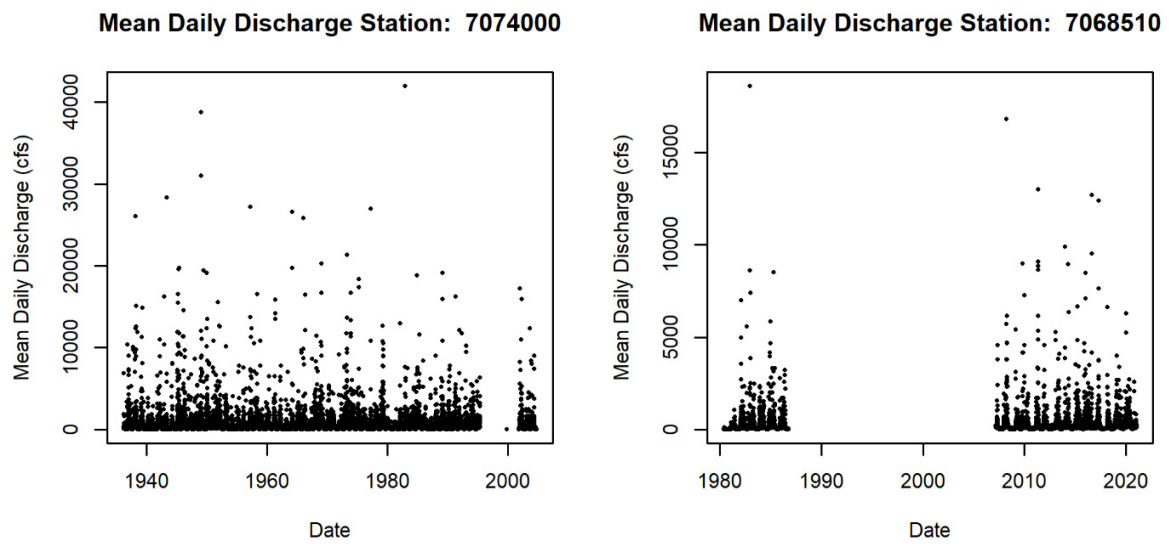
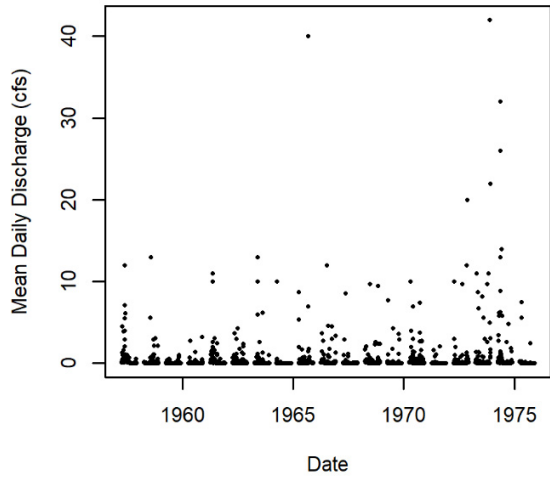
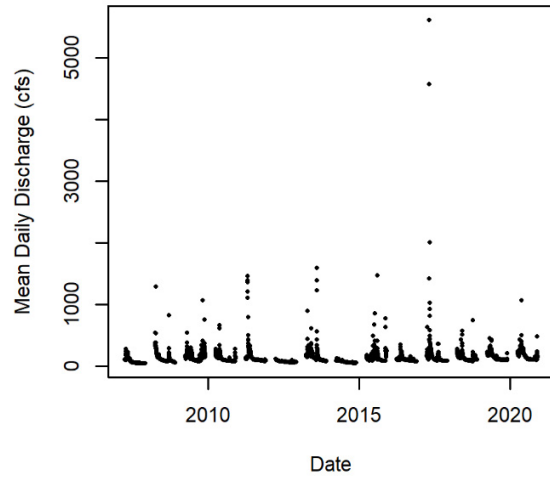


Figure S1. Mean Daily Discharge Data at each of the 22 stations.

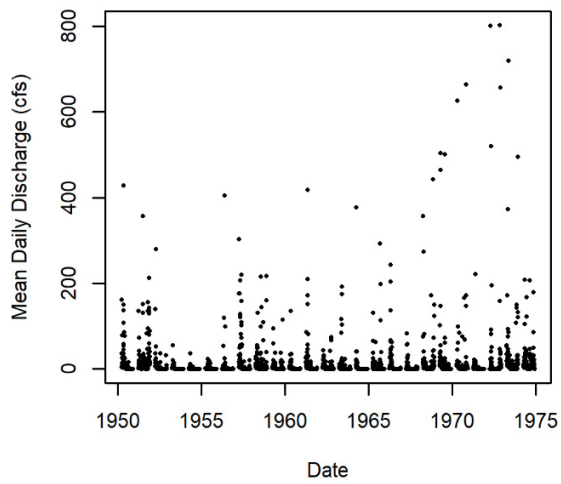
Mean Daily Discharge Station: 7064300



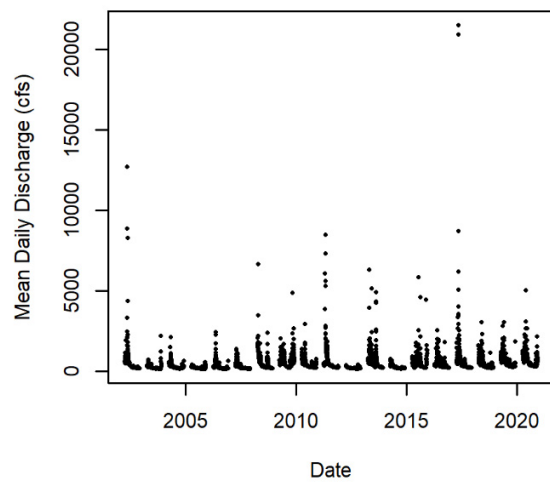
Mean Daily Discharge Station: 7064440



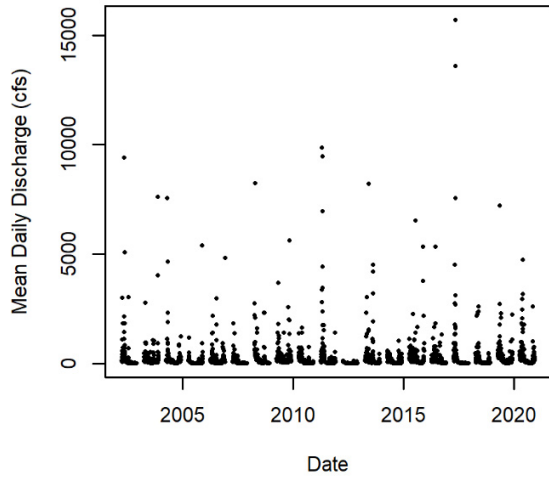
Mean Daily Discharge Station: 7064500



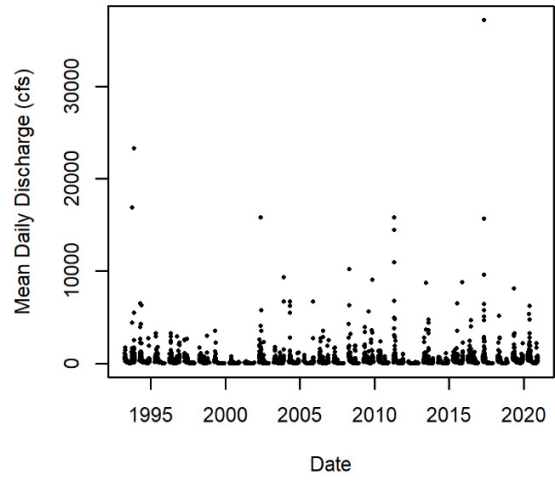
Mean Daily Discharge Station: 7064533



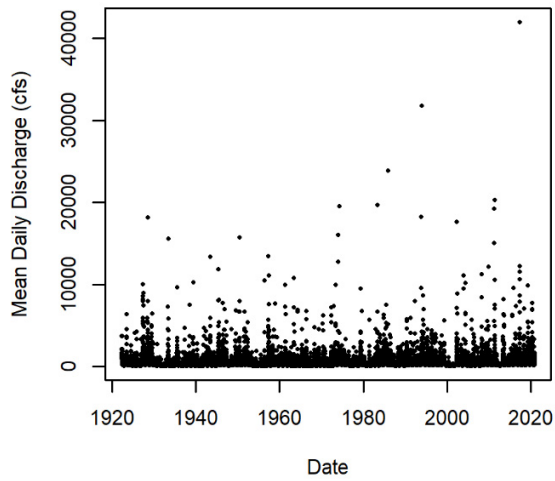
Mean Daily Discharge Station: 7065200



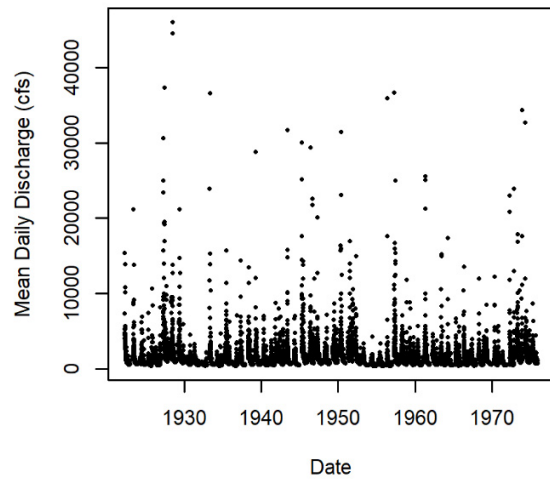
Mean Daily Discharge Station: 7065495



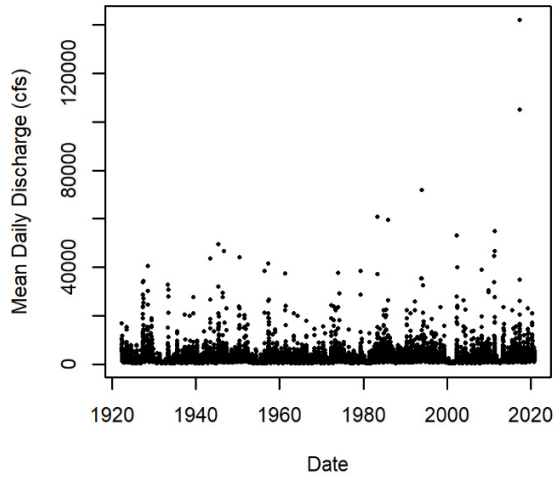
Mean Daily Discharge Station: 7066000



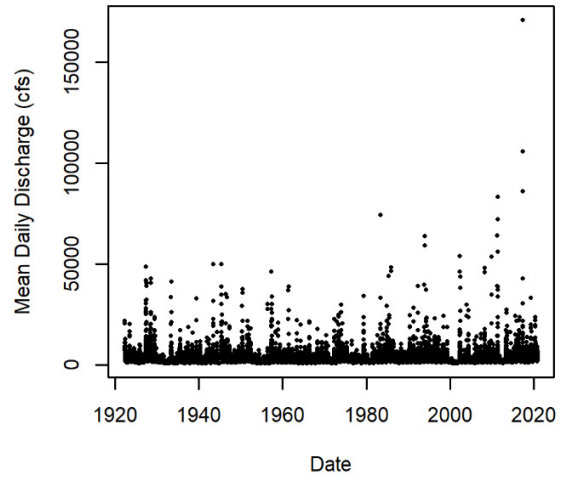
Mean Daily Discharge Station: 7066500



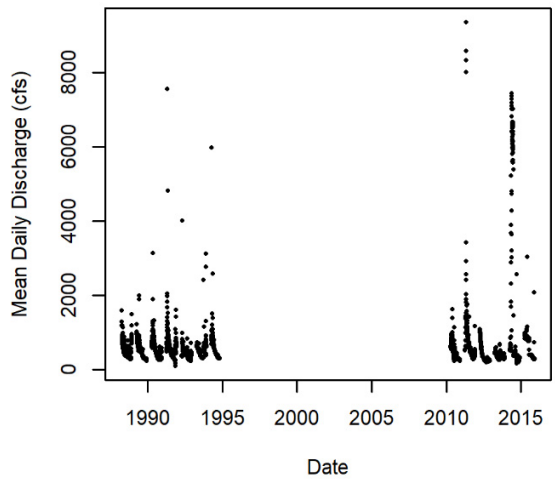
Mean Daily Discharge Station: 7067000



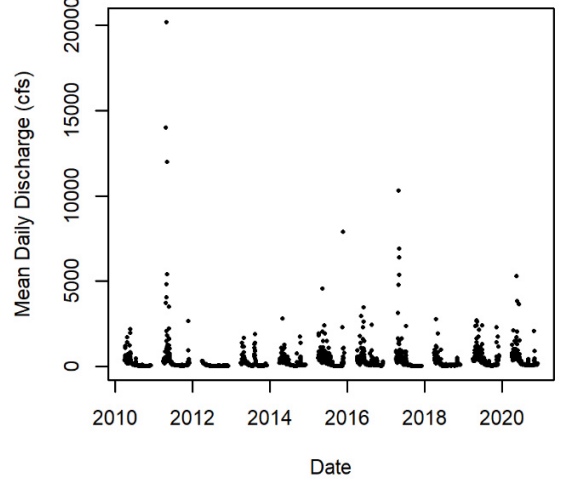
Mean Daily Discharge Station: 7068000



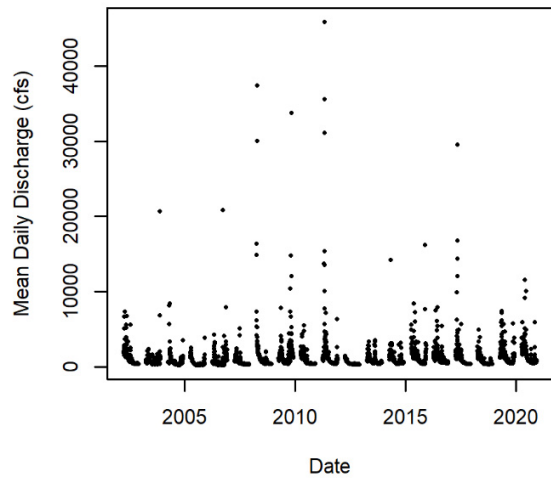
Mean Daily Discharge Station: 7069220



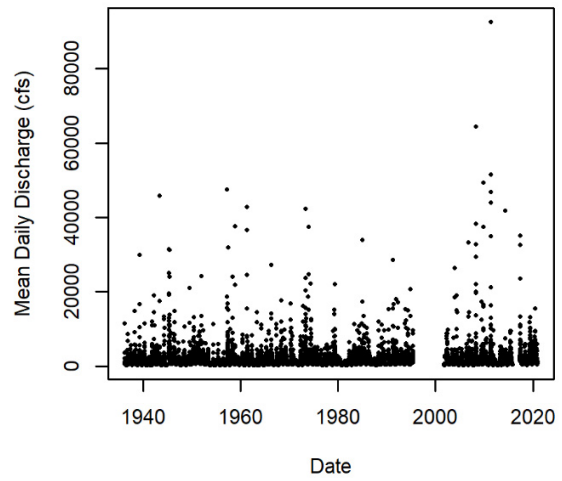
Mean Daily Discharge Station: 7069295



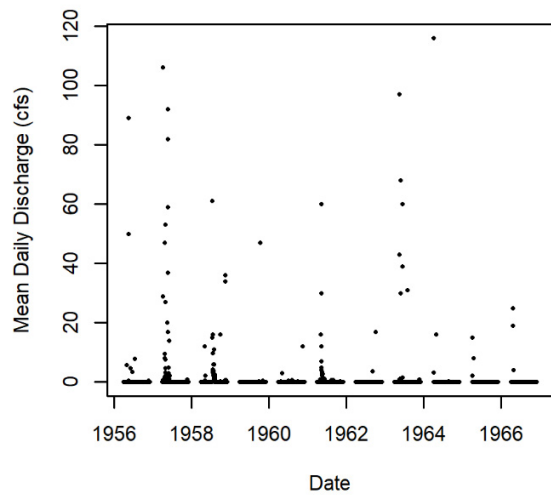
Mean Daily Discharge Station: 7069305



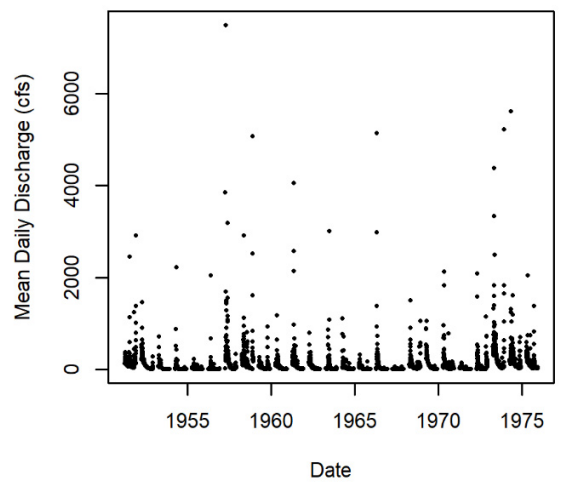
Mean Daily Discharge Station: 7069500



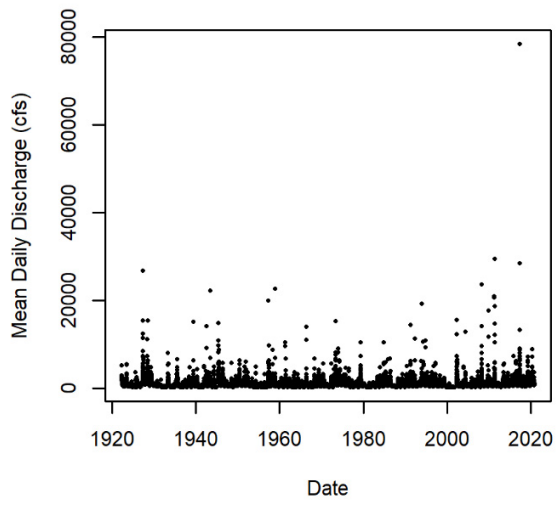
Mean Daily Discharge Station: 7070000



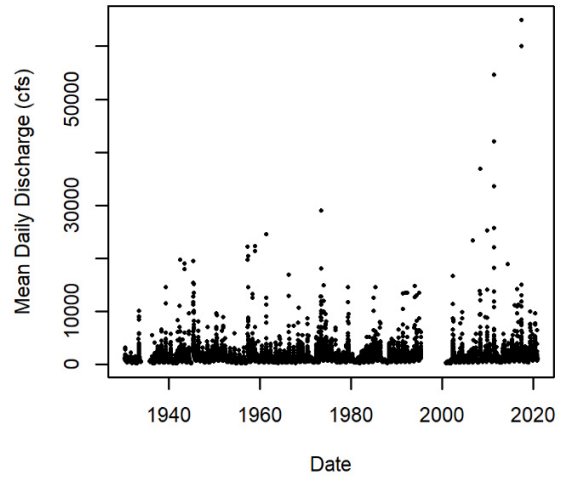
Mean Daily Discharge Station: 7070500



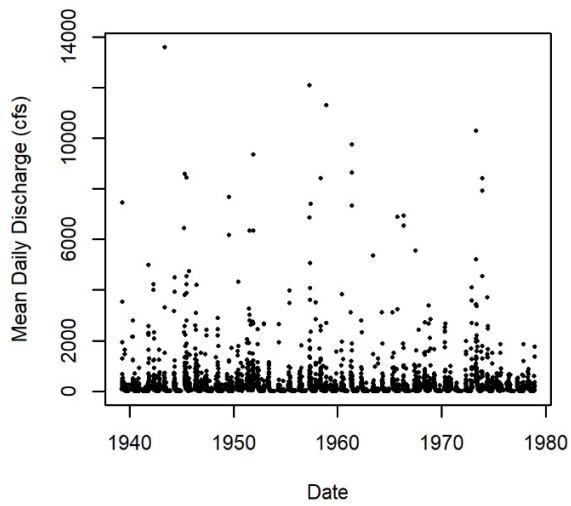
Mean Daily Discharge Station: 7071500



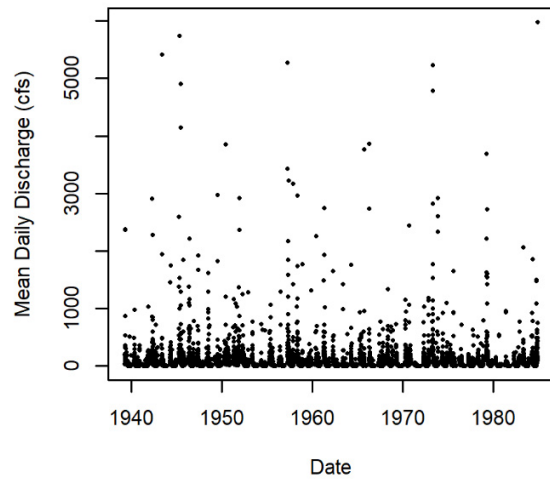
Mean Daily Discharge Station: 7072000



Mean Daily Discharge Station: 7073000



Mean Daily Discharge Station: 7073500



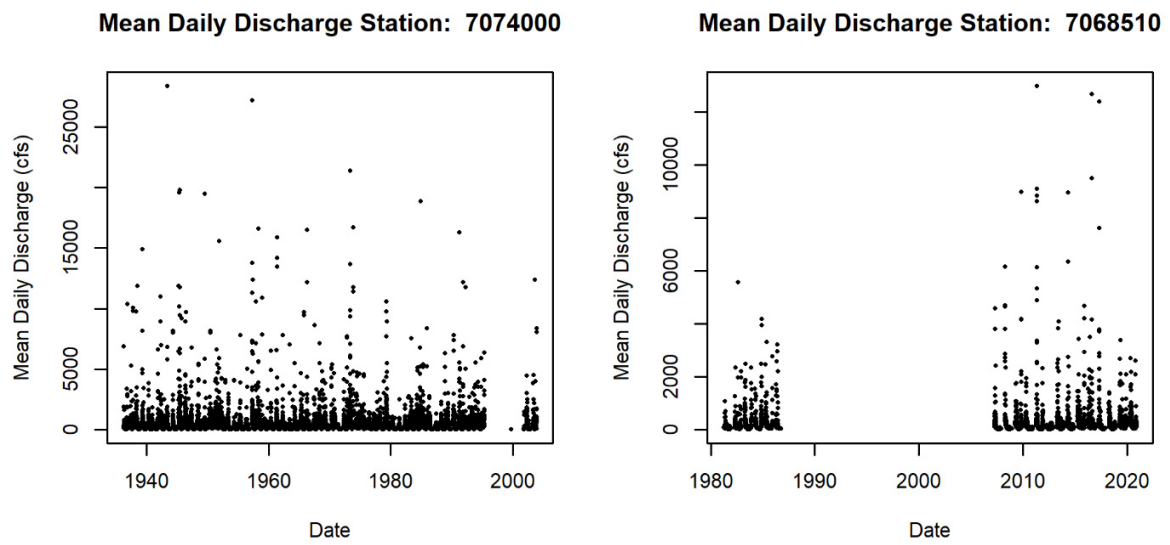
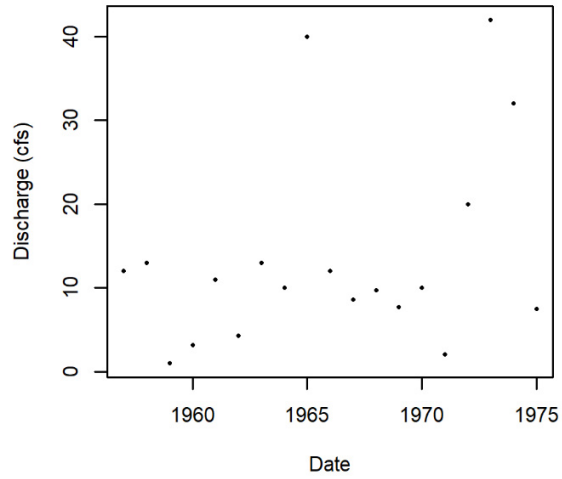
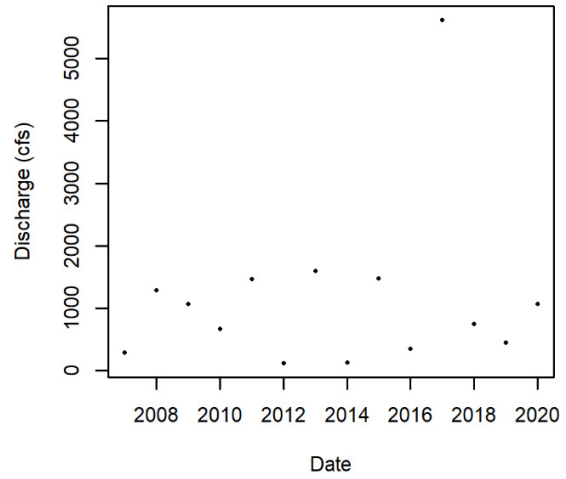


Figure S2. April - November Mean Daily Discharge Data at each of the 22 stations.

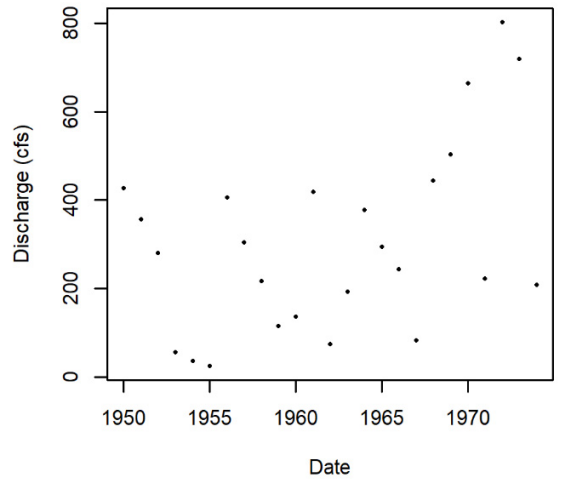
Seasonal Maximum Discharge
Station: 7064300



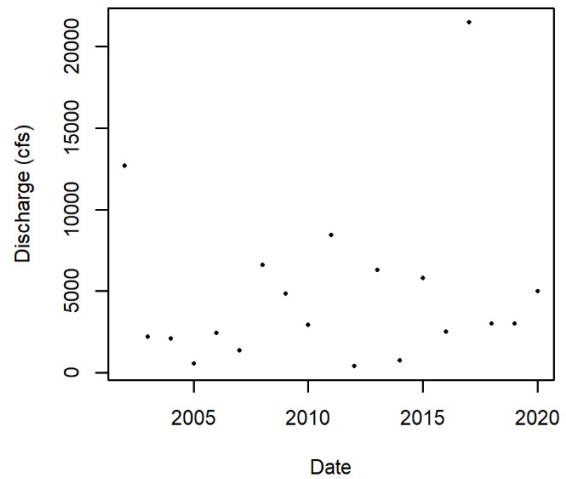
Seasonal Maximum Discharge
Station: 7064440



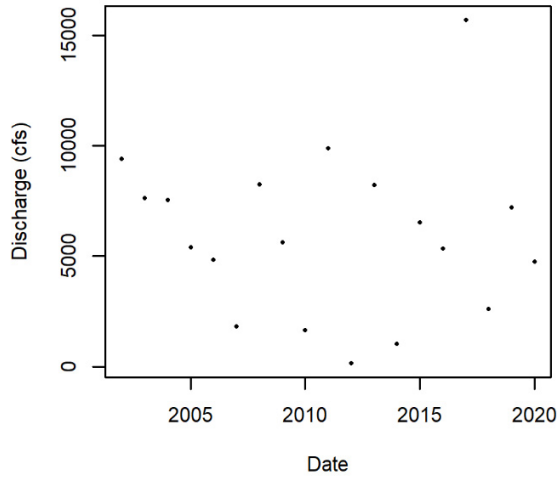
Seasonal Maximum Discharge
Station: 7064500



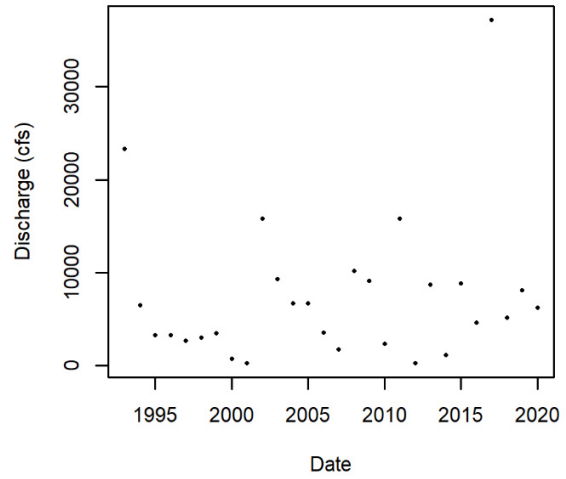
Seasonal Maximum Discharge
Station: 7064533



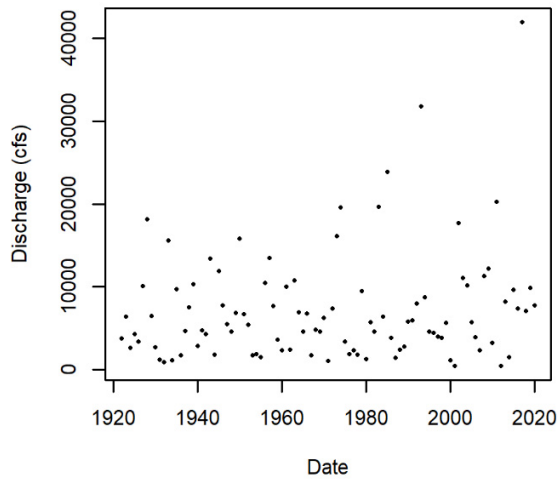
Seasonal Maximum Discharge
Station: 7065200



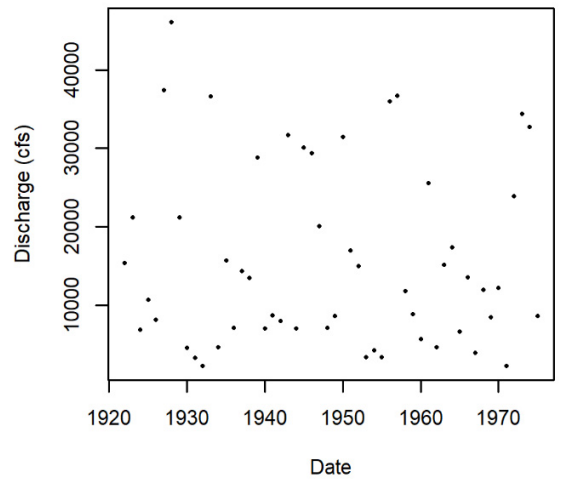
Seasonal Maximum Discharge
Station: 7065495



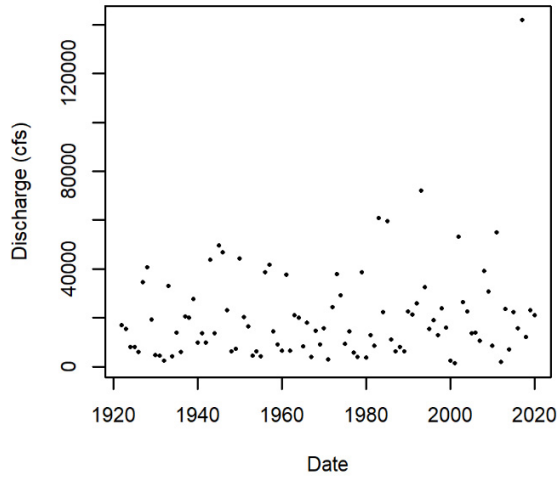
Seasonal Maximum Discharge
Station: 7066000



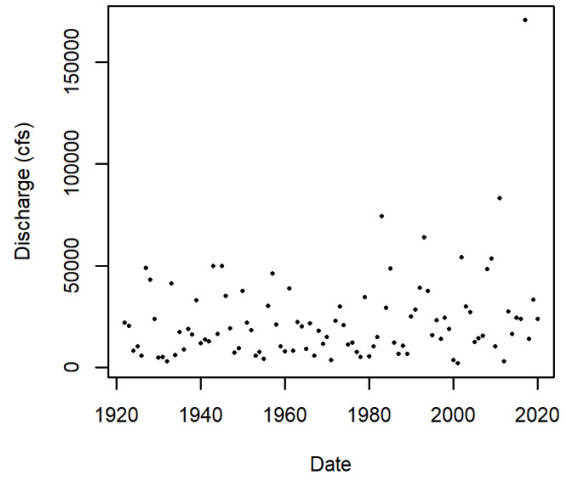
Seasonal Maximum Discharge
Station: 7066500



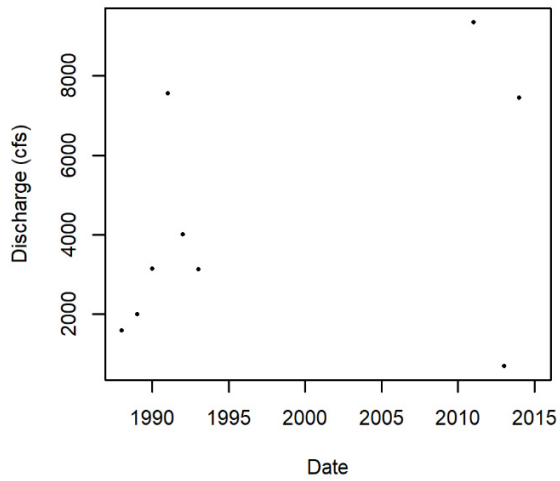
Seasonal Maximum Discharge
Station: 7067000



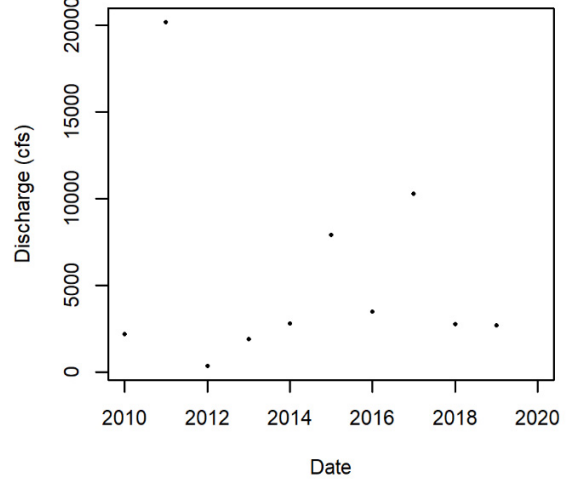
Seasonal Maximum Discharge
Station: 7068000



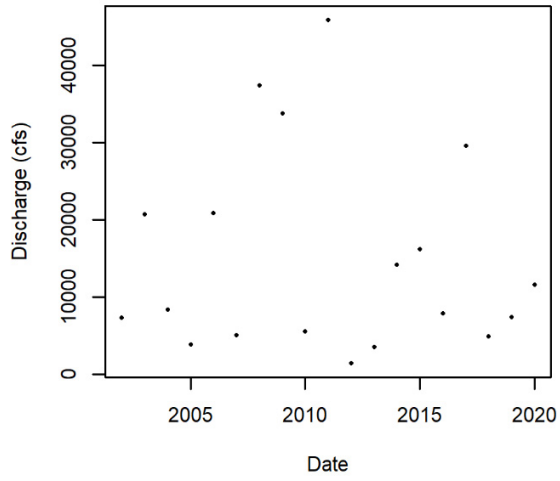
Seasonal Maximum Discharge
Station: 7069220



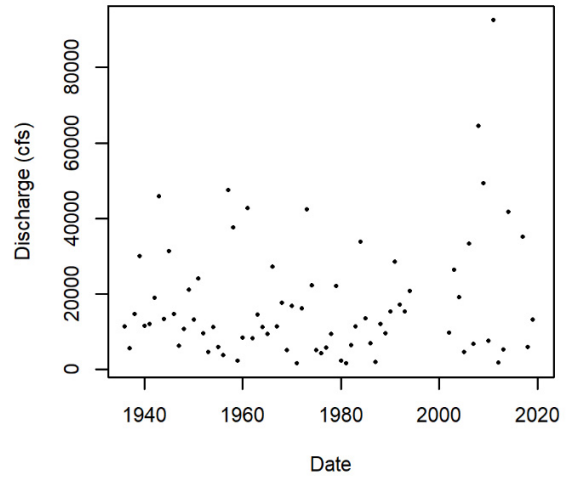
Seasonal Maximum Discharge
Station: 7069295



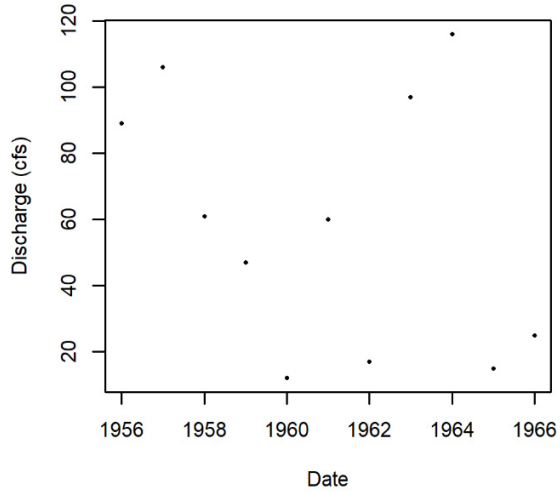
Seasonal Maximum Discharge
Station: 7069305



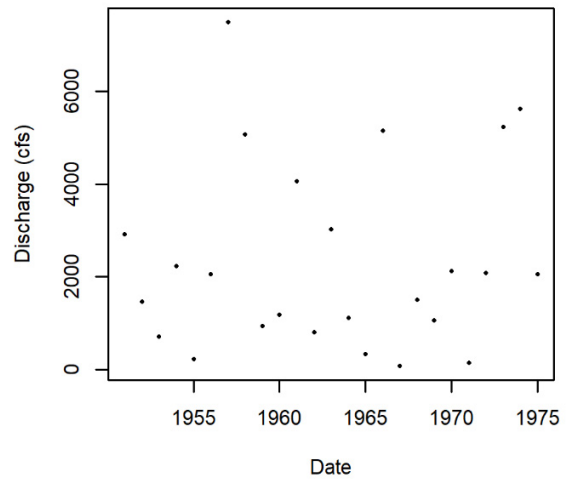
Seasonal Maximum Discharge
Station: 7069500

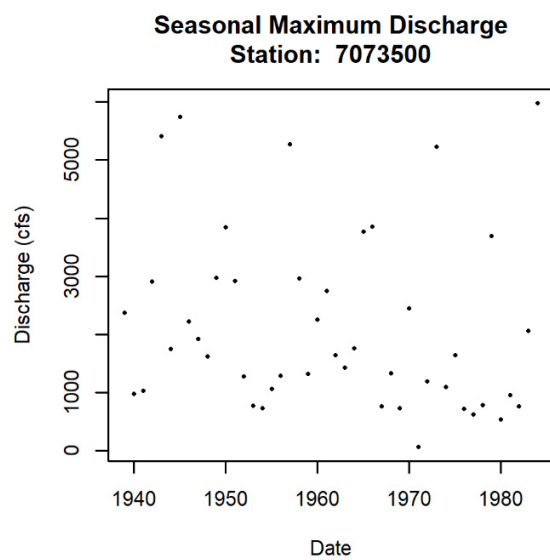
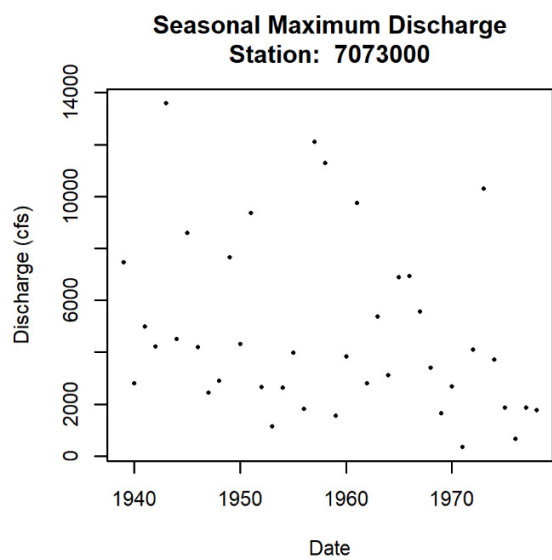
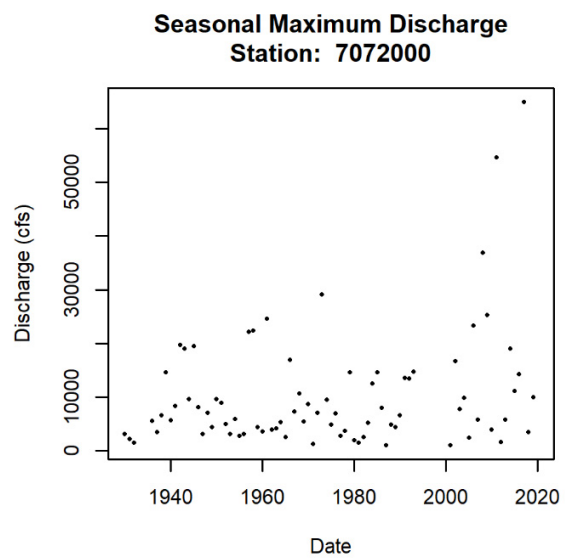
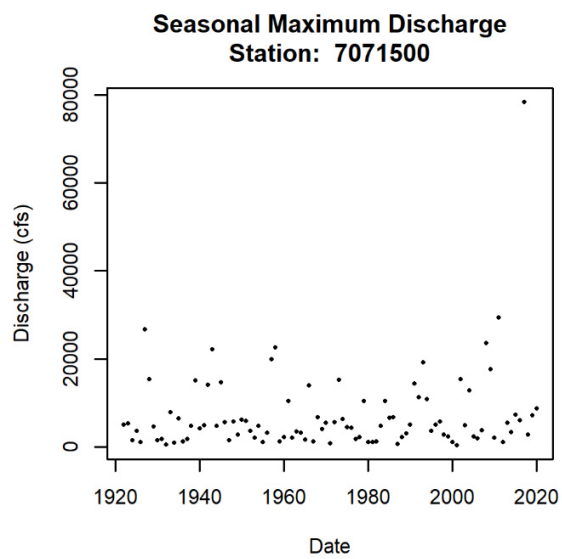


Seasonal Maximum Discharge
Station: 7070000



Seasonal Maximum Discharge
Station: 7070500





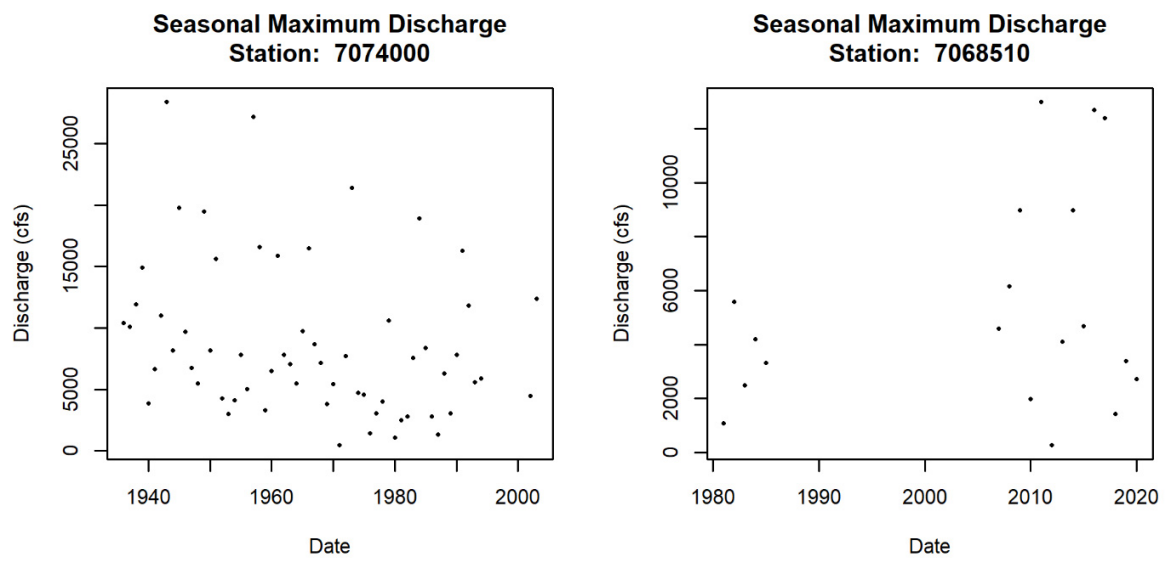
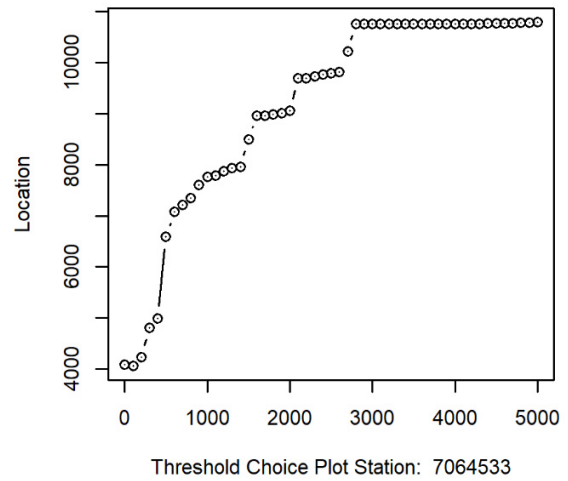
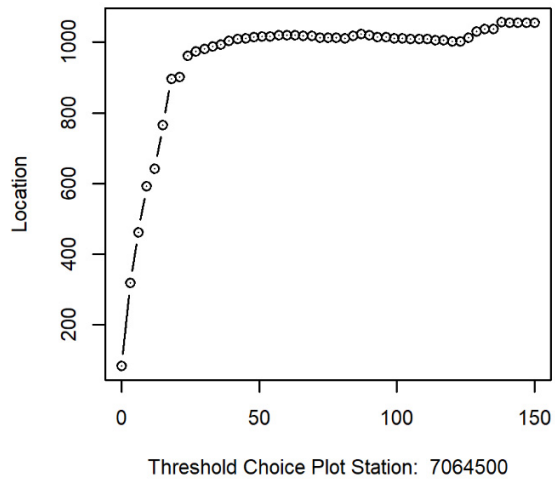
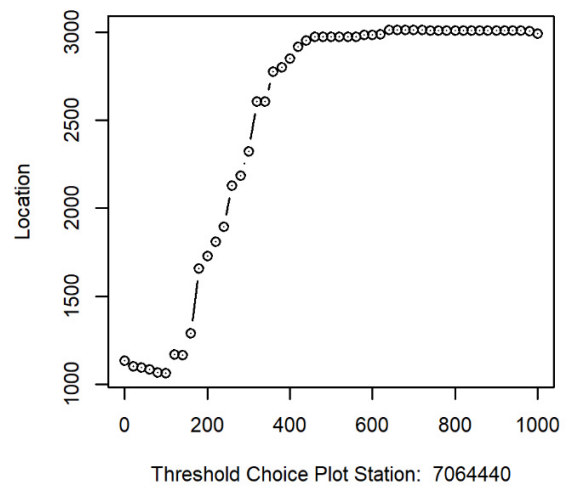
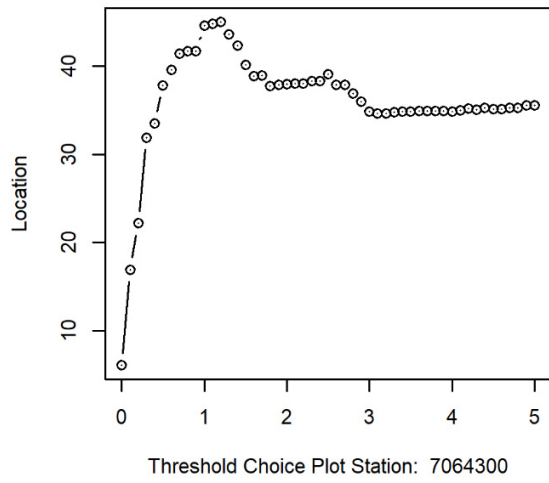
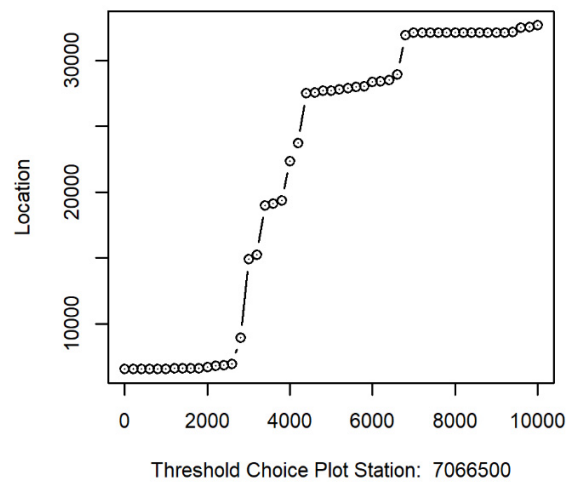
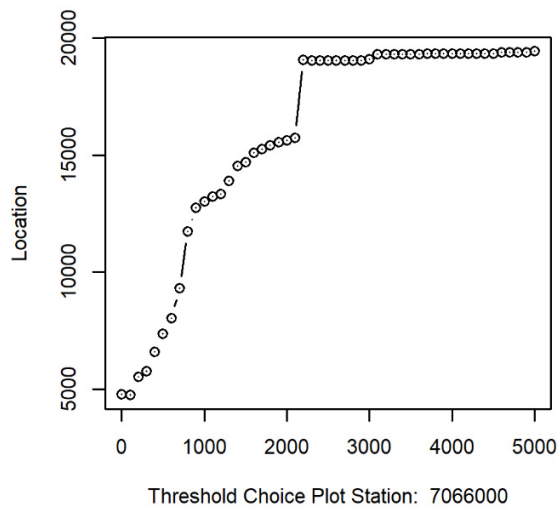
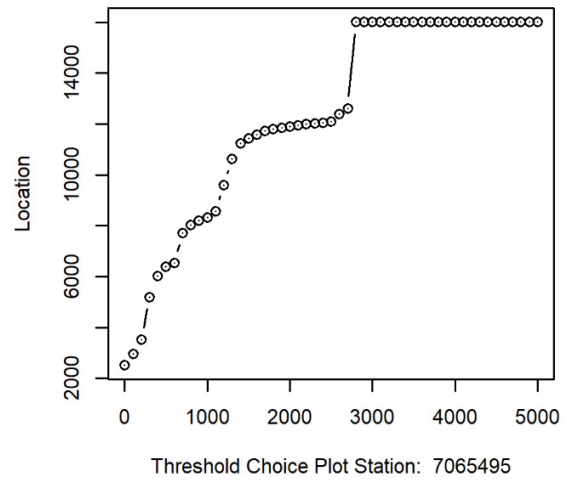
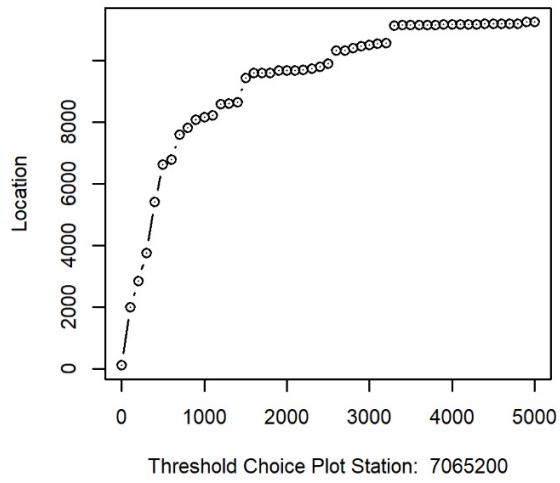
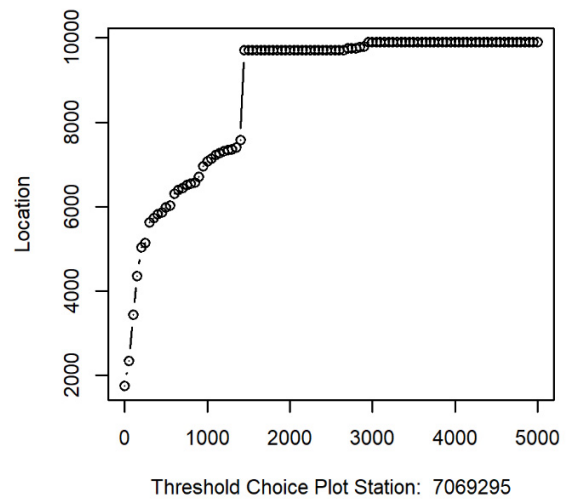
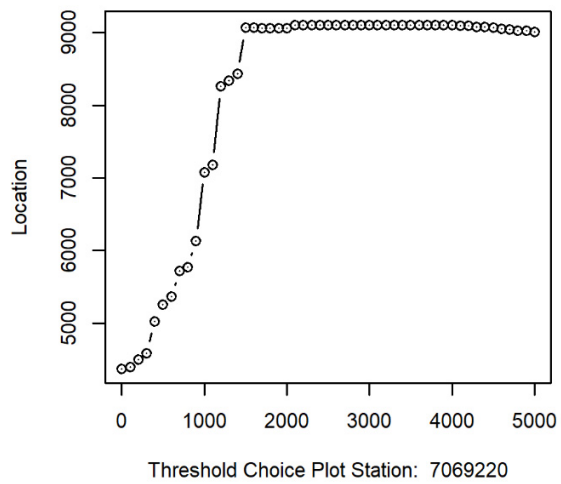
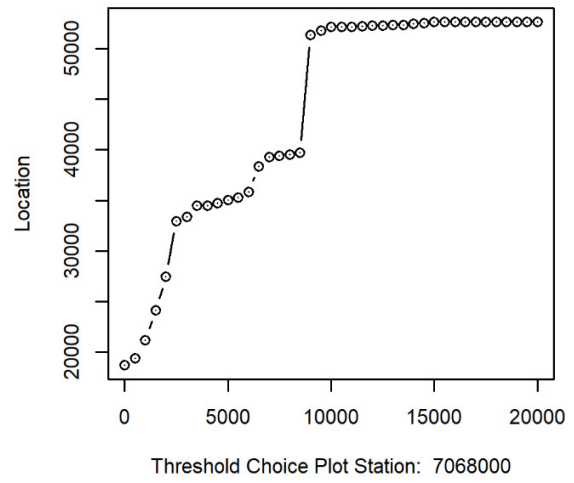
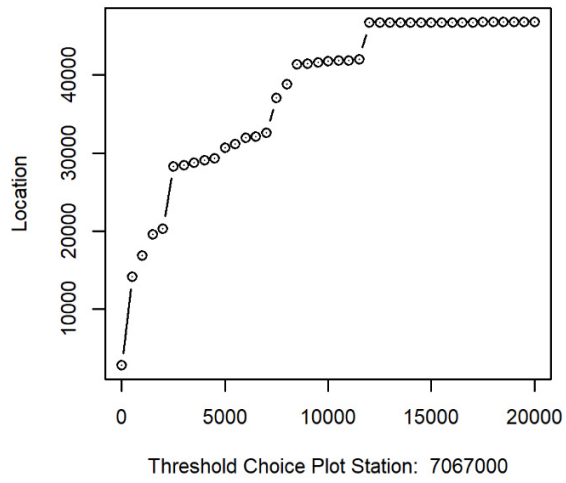
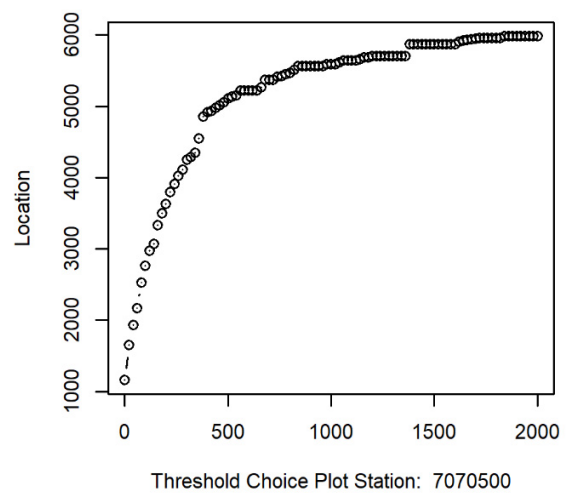
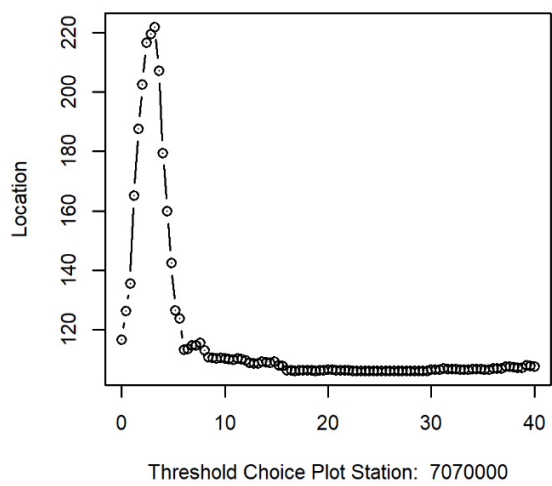
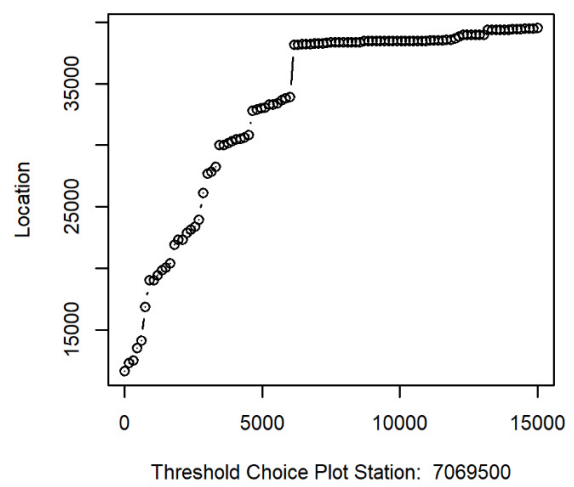
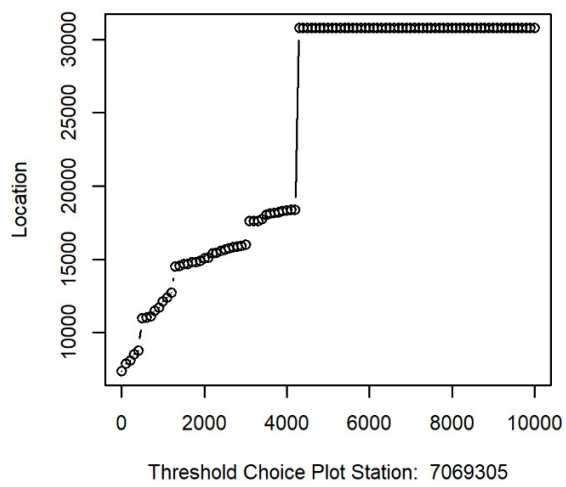


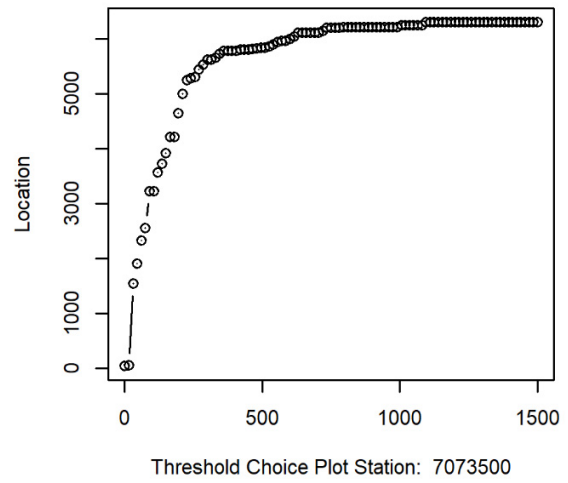
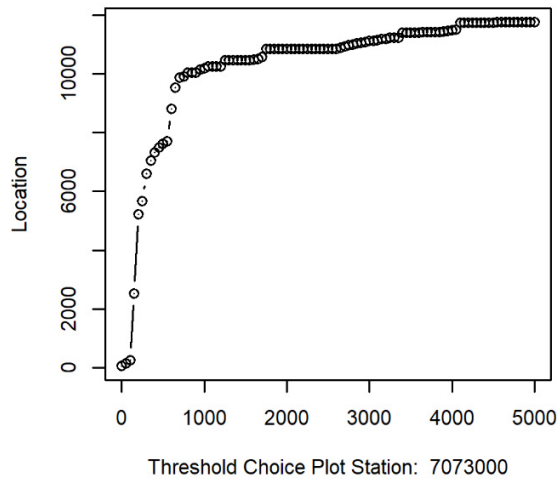
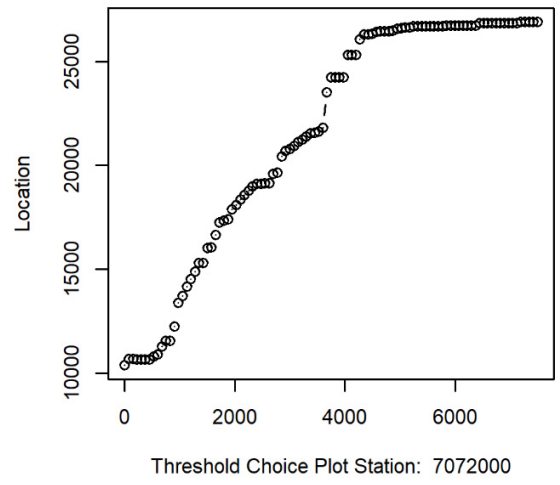
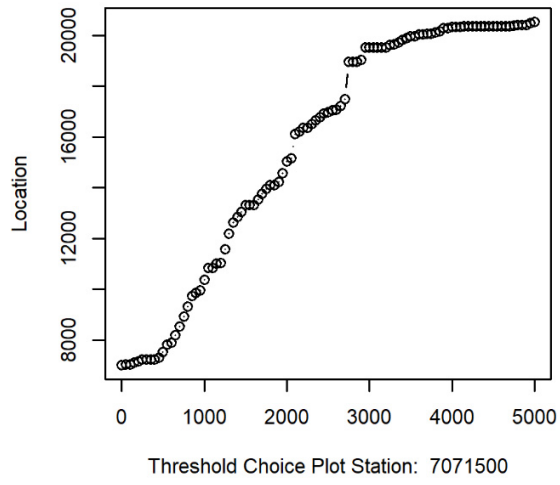
Figure S3. Annual maxima of the seasonal (April - November) mean daily discharge data at each of the 22 stations.

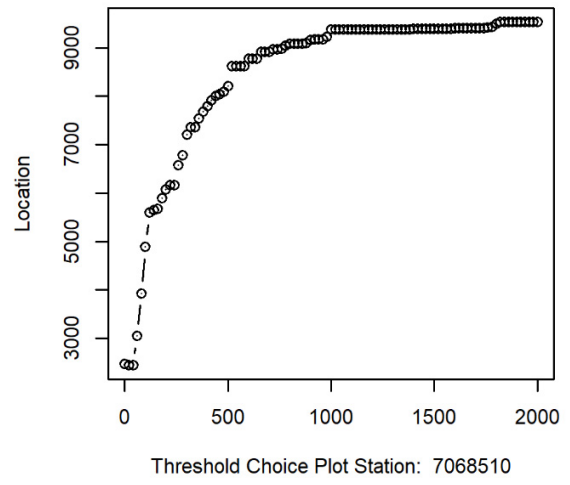
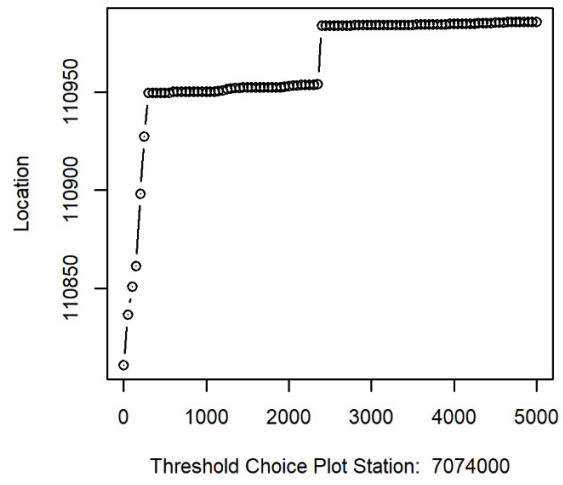


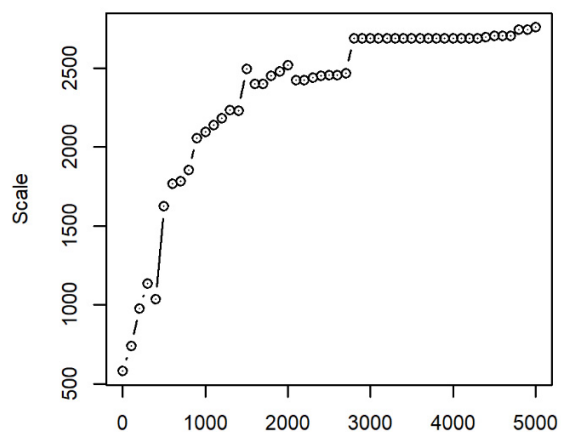
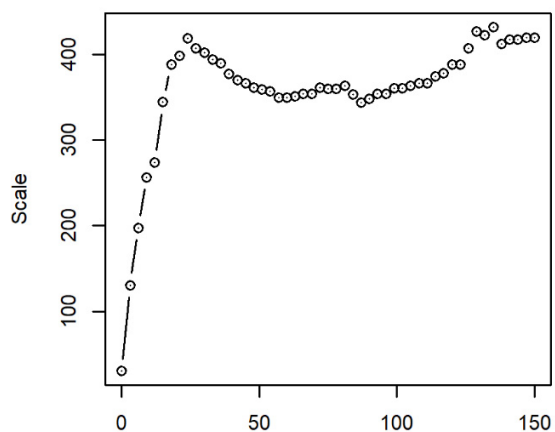
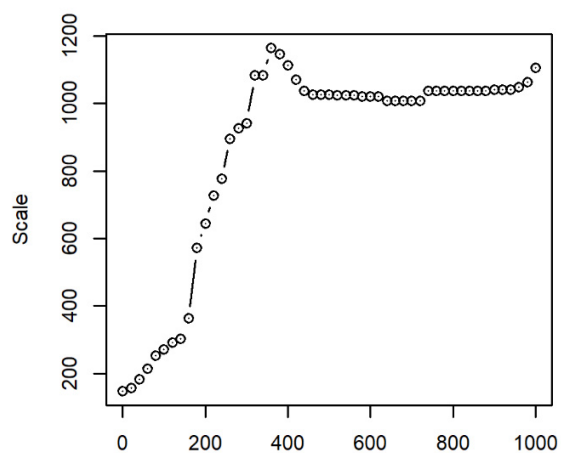
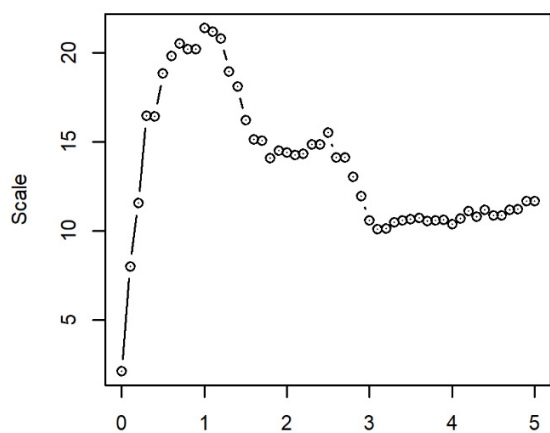


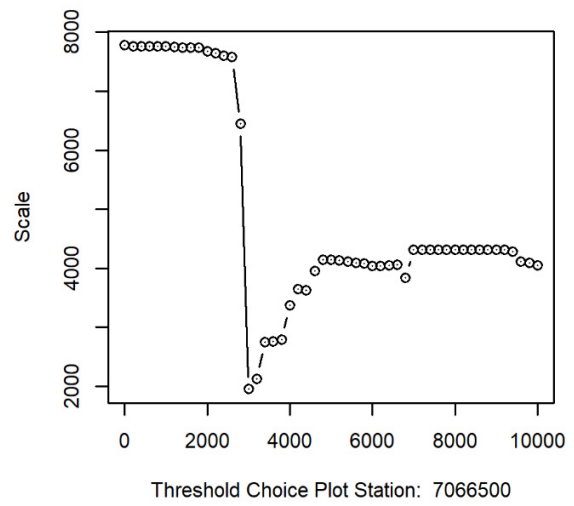
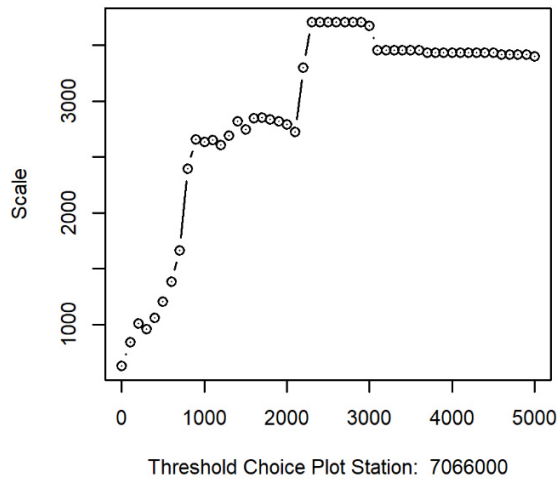
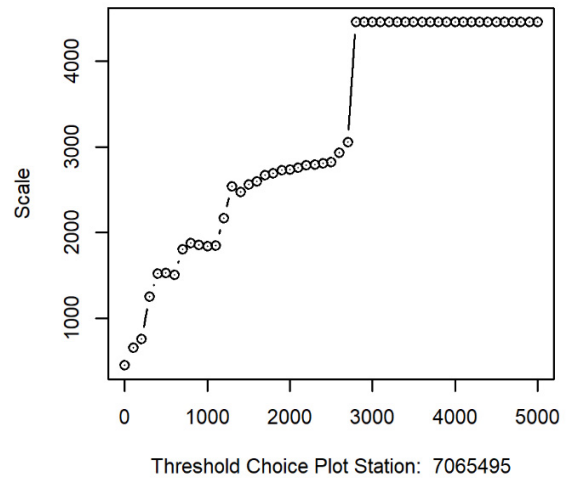
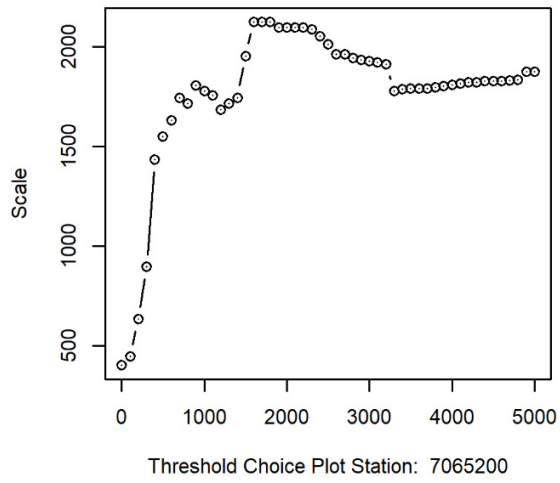


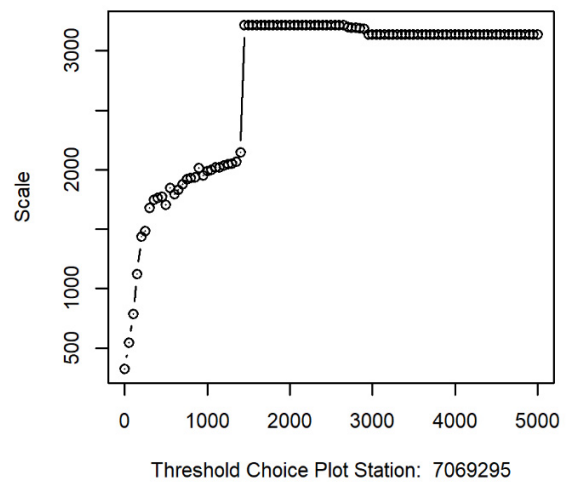
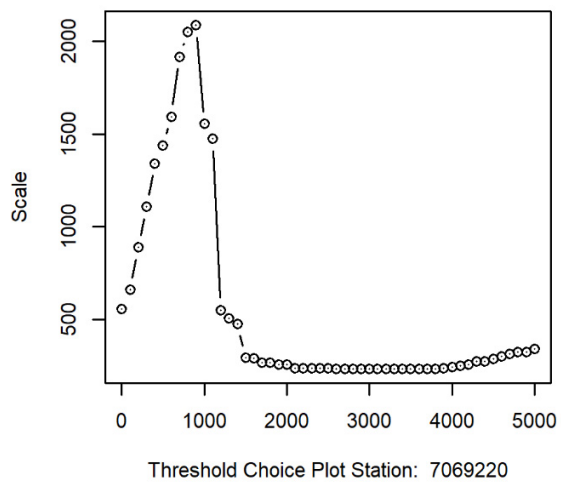
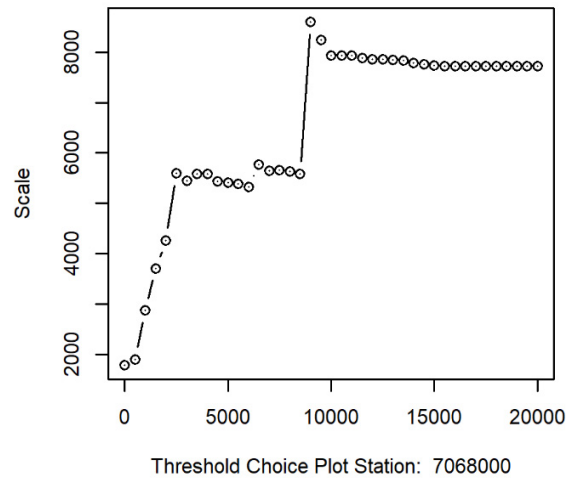
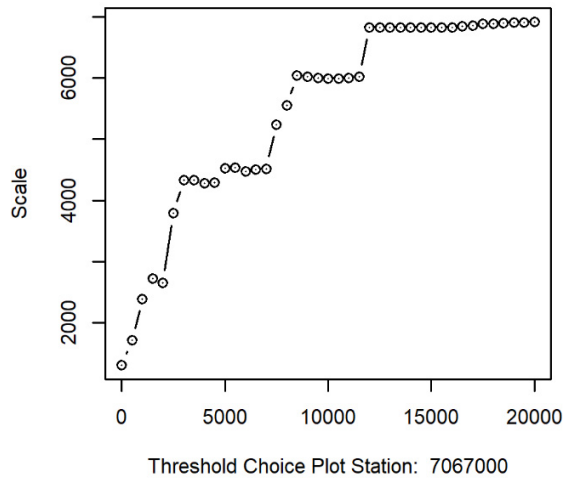


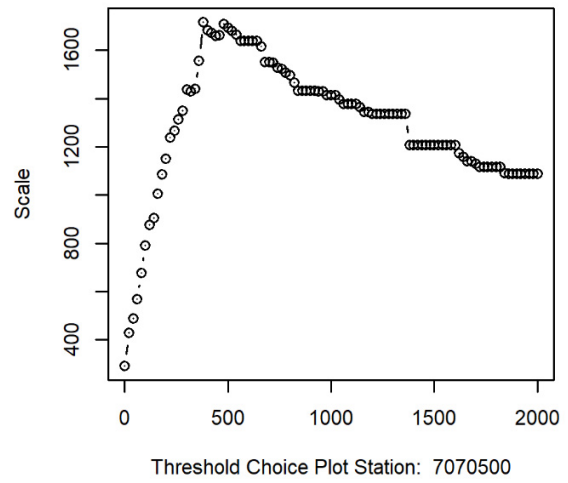
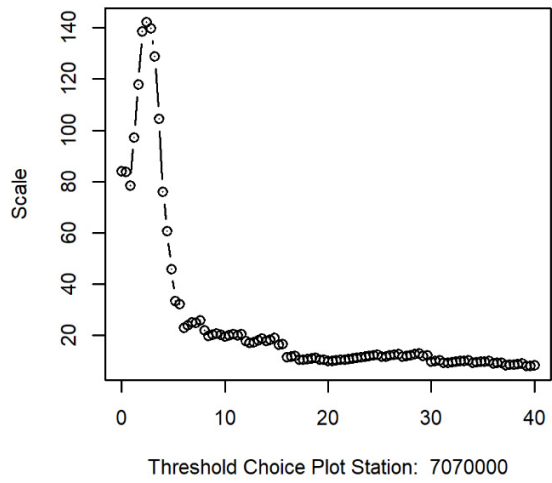
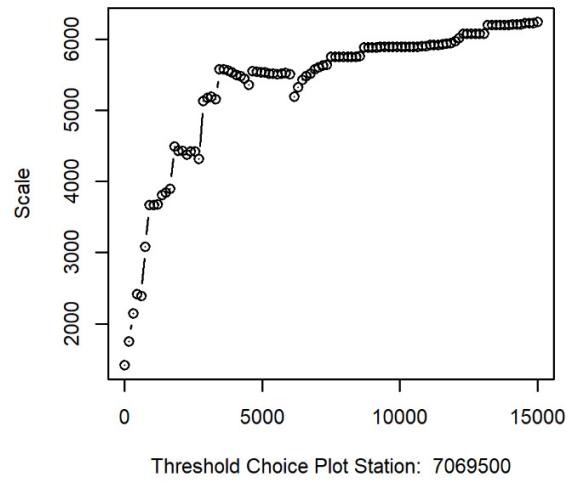
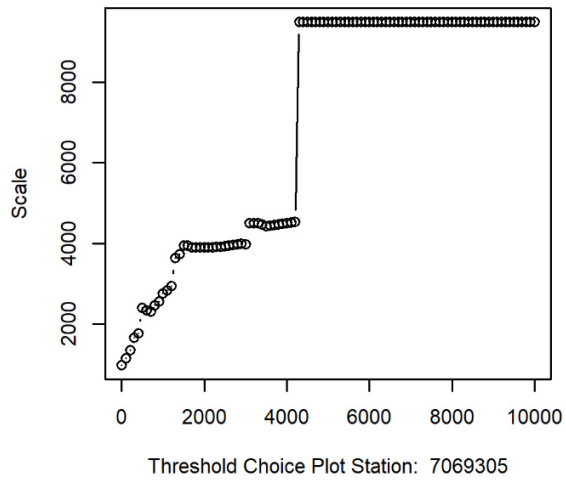


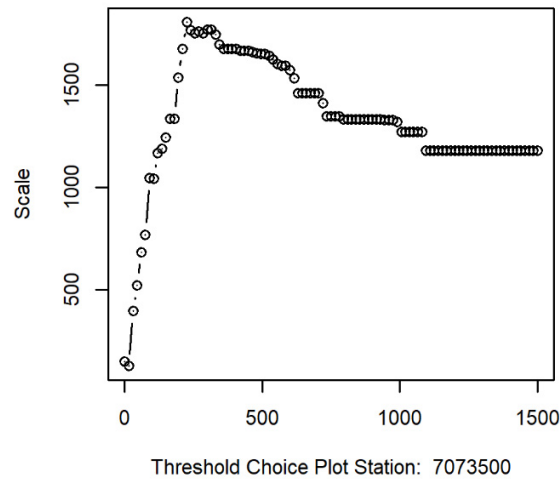
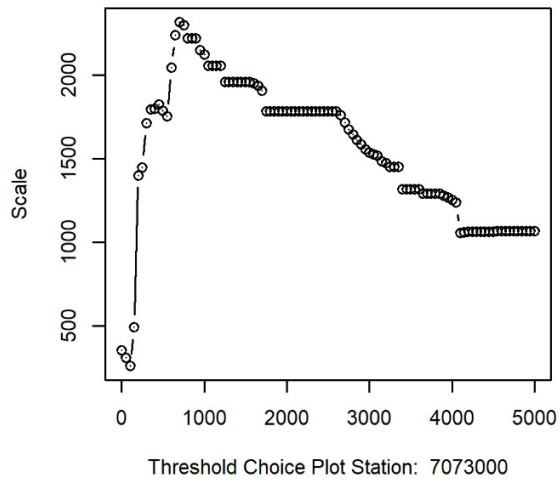
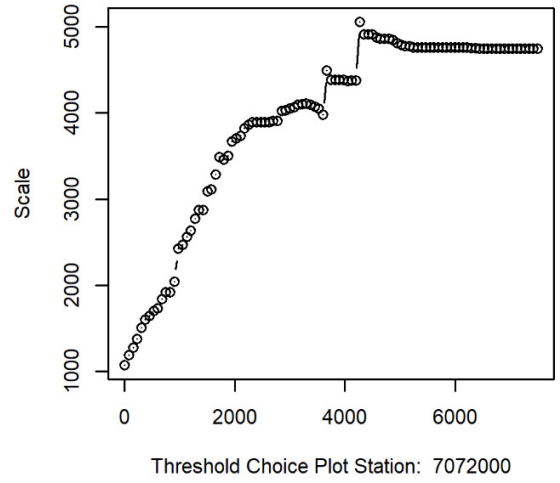
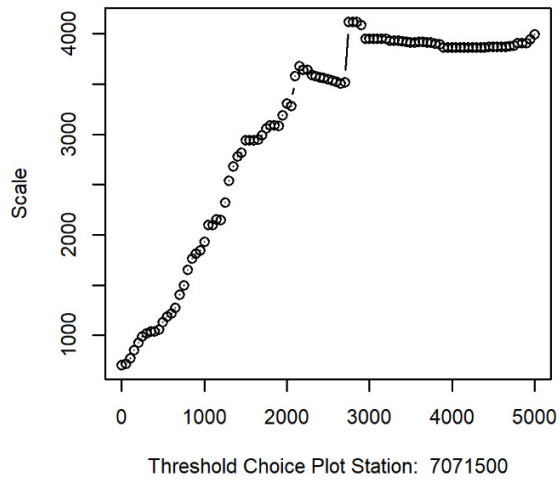


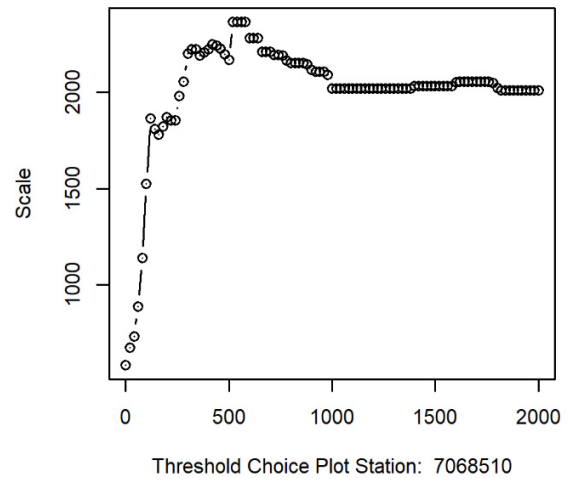
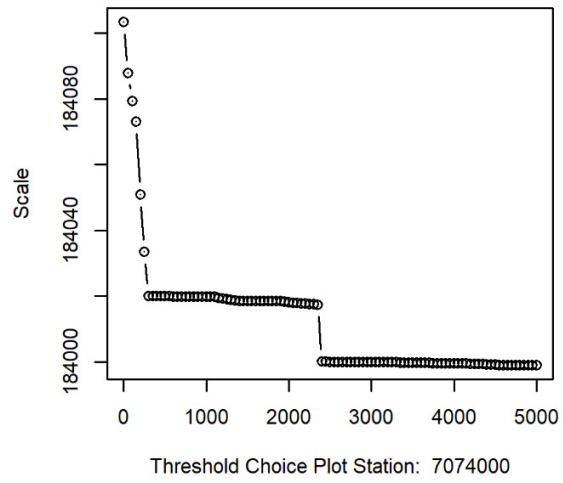


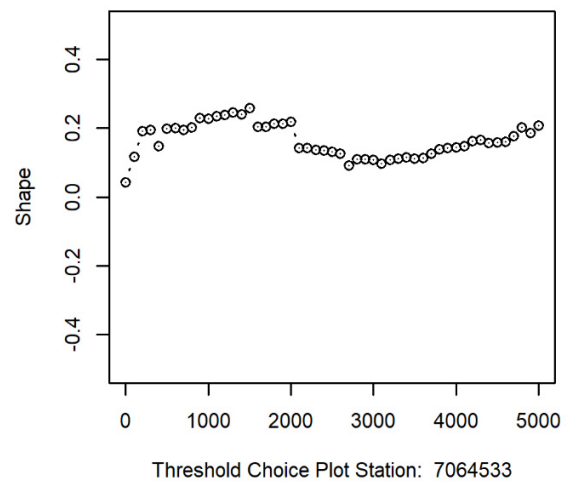
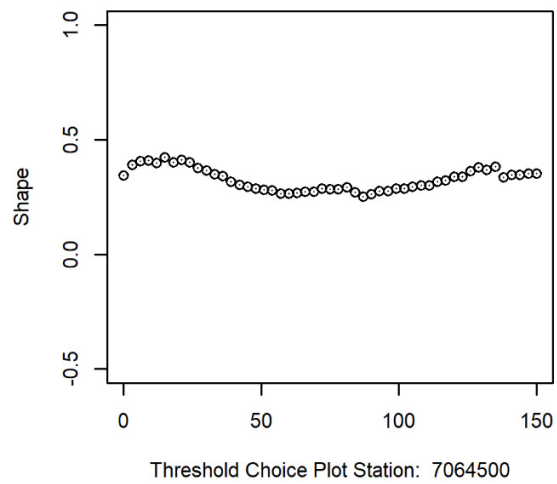
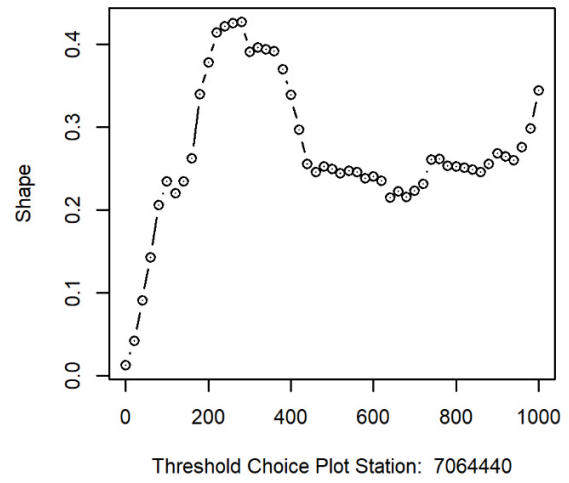
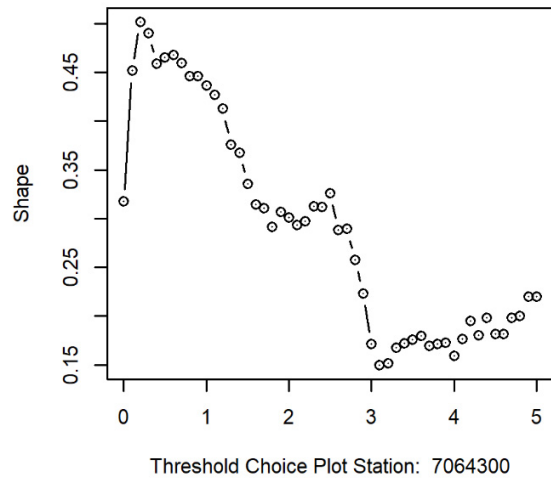


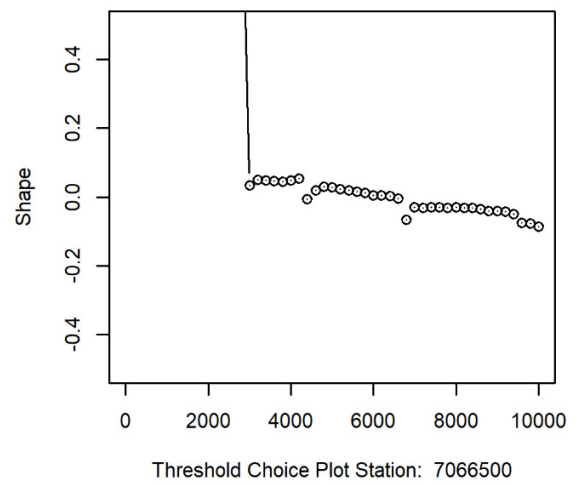
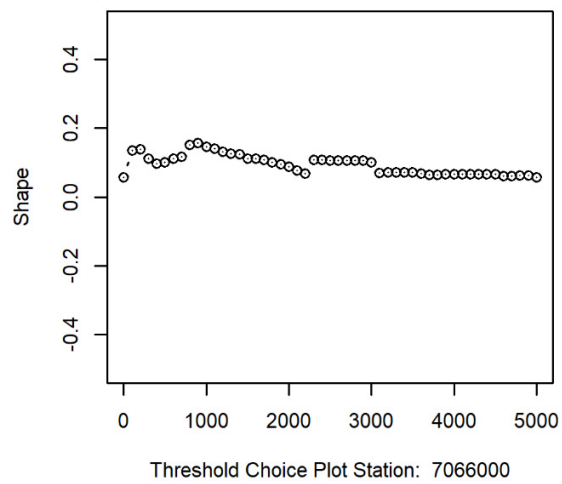
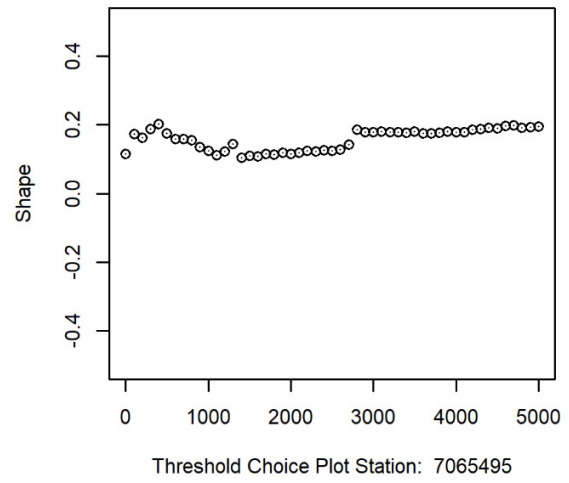
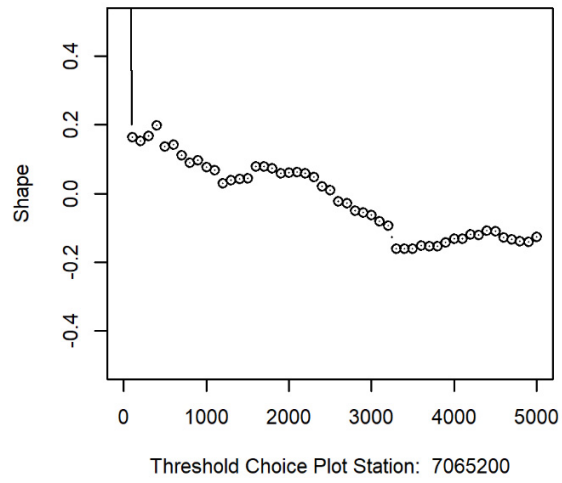


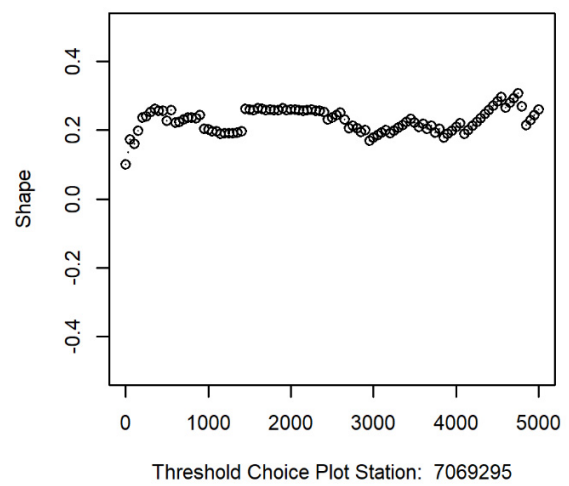
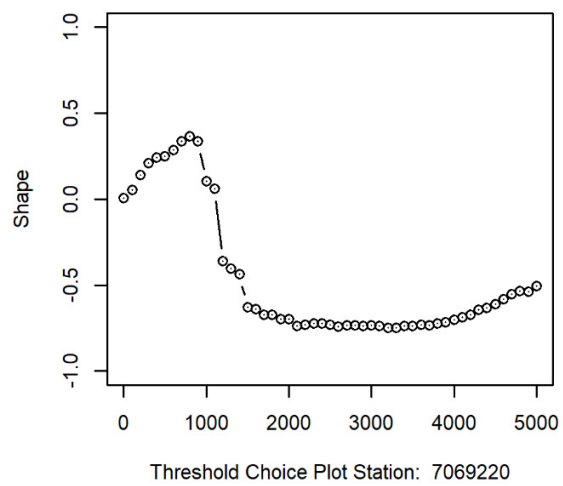
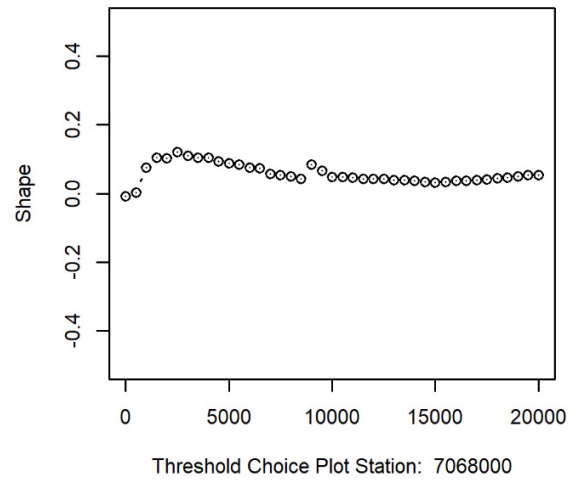
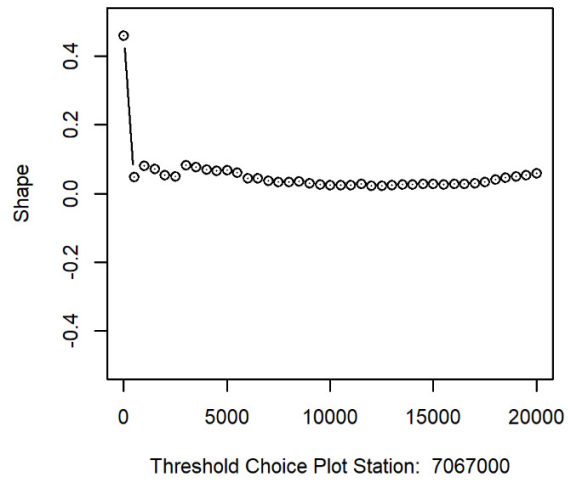


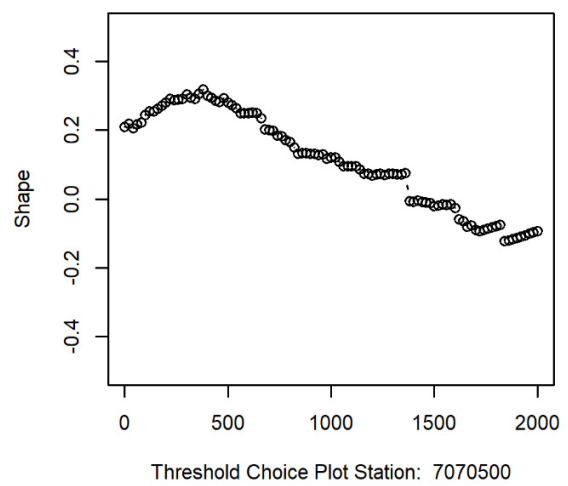
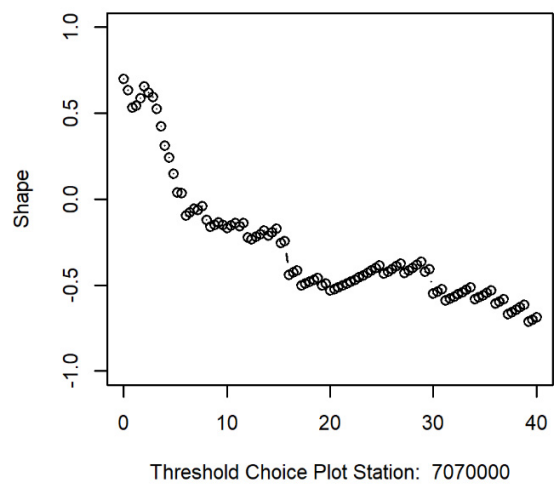
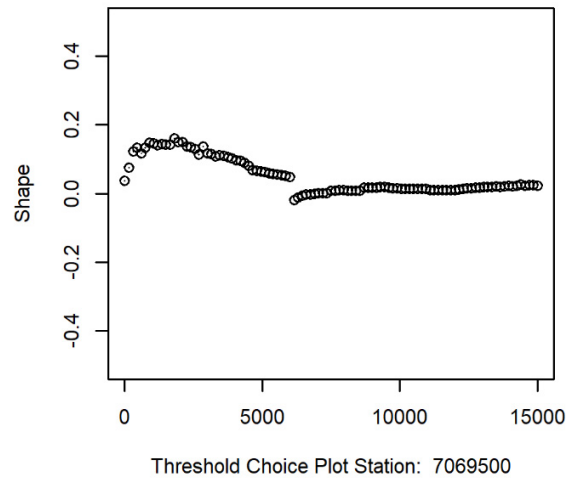
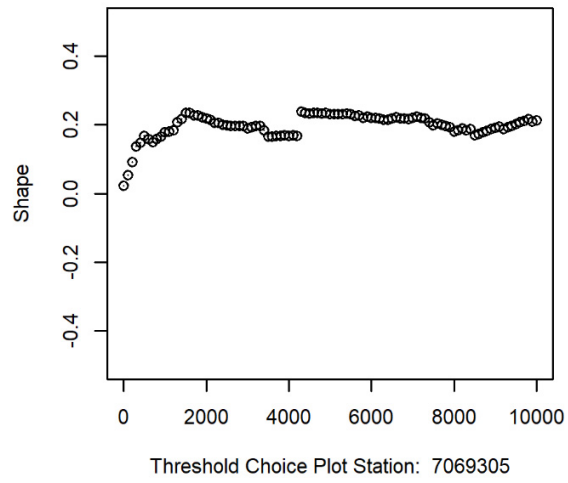


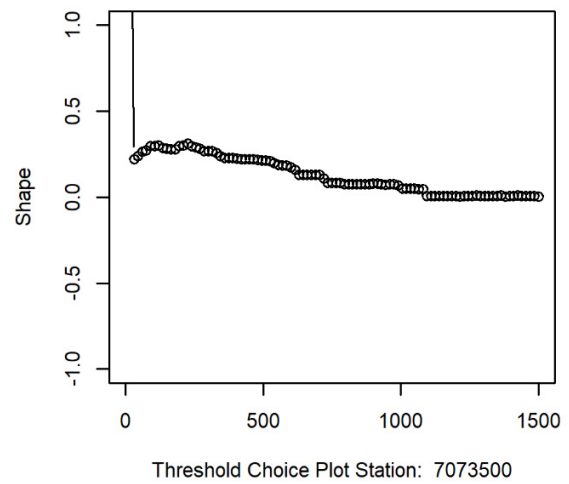
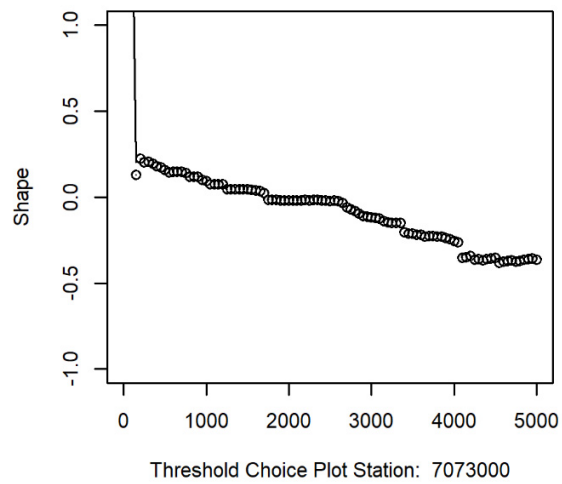
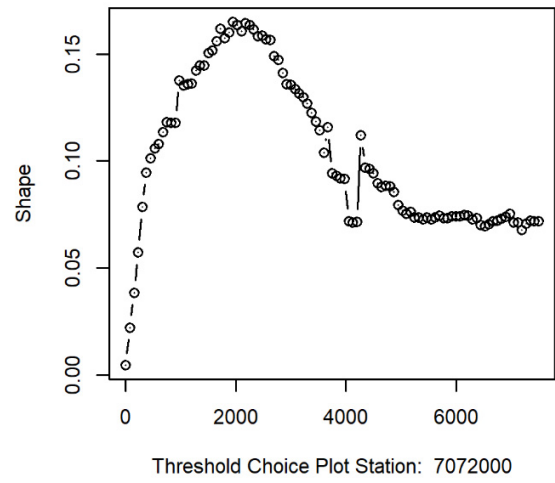
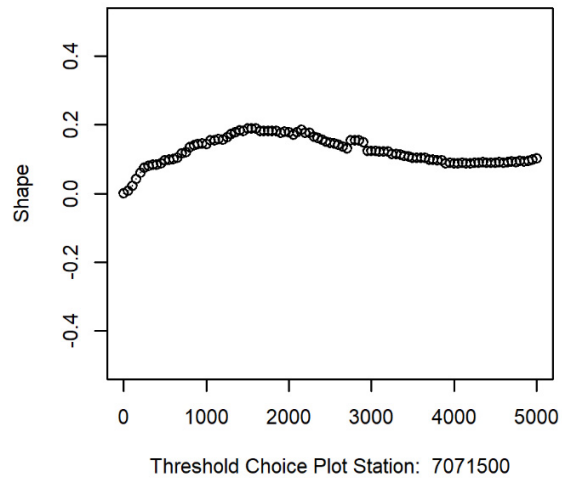












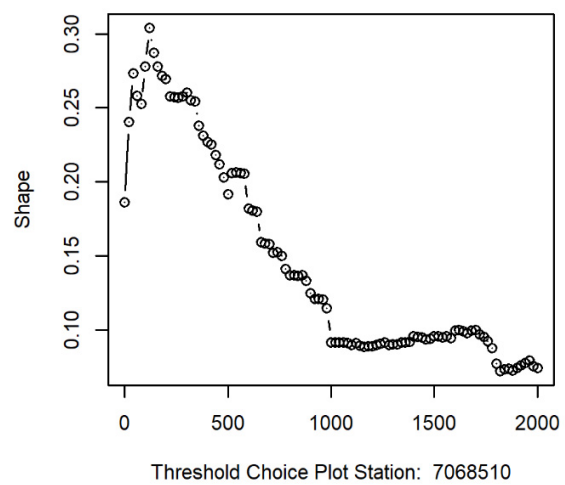
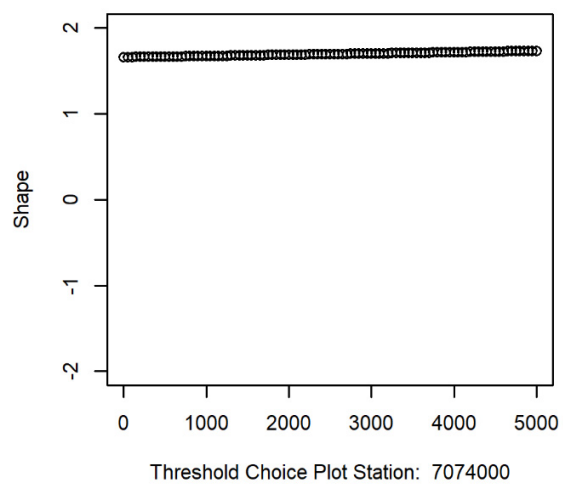


Figure S4. Threshold choice plots (Location, Scale, Shape).

Covariate Values																		
Index	StaNU	Outlet			Centroid			Area	Perimeter	Ave. length		Ave. width		Elevation			Land surface slope	
		X	Y	Z	X	Y	Z							Mean	Minimum	Maximum	Range	Mean
1	7064300	611589.8	4154444.8	354.8	611390.8	4155950.2	399.9	4852409.4	15638.8	7139.8	679.6	389.3425749	355.5322876	420.6635742	65.13128662	4.452783273	4.288345337	
2	7064440	617544.2	4145438.3	274.1	610210.2	4150871.8	373.0	155994503.4	87430.2	39795.2	3919.9	369.1341834	273.7368469	436.8686523	163.1318054	5.118374453	4.323289871	
3	7064500	602008.9	4121330.2	366.2	600130.2	4120697.8	395.0	22084321.7	27420.3	11845.9	1864.3	410.166754	365.4928894	451.6830139	86.19012451	3.993072325	3.839711335	
4	7064533	628133.0	4137533.1	239.9	612661.2	4137694.3	396.2	762570414.1	200175.3	91778.9	8308.8	365.3185486	234.6977997	455.0053406	220.3075409	6.368586243	4.71969223	
5	7065200	618427.0	4101926.6	257.6	604513.1	4105876.0	357.5	479024277.6	156231.2	71407.2	6708.3	373.3943786	255.5171509	491.6122437	236.0950928	6.475366397	5.885503292	
6	7065495	638263.7	4112443.8	200.9	612969.2	4105080.0	304.2	787519362.7	224306.7	104626.4	7527.0	353.3596305	201.0159149	491.6122437	290.5963287	6.637208907	5.459944725	
7	7066000	645794.0	4113227.4	195.0	619582.3	4106105.7	364.3	1047402636.0	270375.4	126936.3	8251.4	337.9621096	188.5548706	491.6122437	303.057373	7.159622302	5.909494638	
8	7066500	654599.1	4116692.5	174.3	626571.9	4125280.3	356.8	3317714319.0	424879.7	195466.5	16973.3	339.5245426	173.348587	491.6122437	318.2636566	7.566663326	6.128806353	
9	7067000	676780.8	4095761.5	136.4	635165.1	4120591.9	347.4	4327848902.0	513727.5	238735.5	18128.2	319.6302101	135.4850922	491.6122437	356.1271515	7.8236497	6.550452948	
10	7068000	692478.2	4055092.1	113.4	643295.4	4112701.9	258.5	5310353320.0	661027.8	313579.2	16934.6	297.9379478	101.7503433	491.6122437	389.8619003	7.830546402	6.605077267	
11	7069220	632016.4	4036010.8	137.7	620144.6	4056675.5	257.2	672741878.7	214576.0	100600.8	6687.2	266.5075311	137.6114044	383.3500061	245.7386017	4.251898852	3.80403471	
12	7069295	622602.9	4023882.8	150.3	603732.0	4036574.7	238.3	684568595.4	213586.4	99943.7	6849.5	257.6040073	142.9076233	376.0560303	233.148407	4.141315439	3.649635434	
13	7069305	636205.0	4019801.5	110.2	615912.1	4042438.1	228.9	2186654640.0	316205.6	142788.9	15313.9	245.2942225	105.3000031	383.3500061	278.0500031	4.630908797	4.096528292	
14	7069500	664363.1	4008297.3	79.5	624933.4	4036776.8	177.4	3006327172.0	406025.3	186930.0	16082.6	226.7603634	79.24617004	383.3500061	304.1038361	5.068974067	4.417634487	
15	7070000	595458.7	4092124.8	358.6	596524.7	4095390.2	387.7	12681016.9	21972.5	9675.7	1310.6	398.0314067	358.7879333	465.5922241	106.8042908	4.288597611	4.115372658	
16	7070500	634562.6	4072051.9	184.1	612011.6	4080804.5	307.7	926783615.8	226819.9	104545.0	8864.9	322.111387	184.0690308	465.5922241	281.5231934	4.678710085	3.647809267	
17	7071500	660823.9	4057409.6	131.2	629904.9	4079710.3	294.4	2031517351.0	358550.0	167118.9	12156.1	290.9596479	125.1460648	465.5922241	340.4461594	5.505137601	4.052299738	
18	7072000	669228.5	4024020.1	93.6	637395.5	4070067.2	272.3	2895490614.0	452346.0	212550.4	13622.6	260.9710692	91.14718628	465.5922241	374.4450378	5.341363113	4.190588474	
19	7073000	625274.6	3995813.3	128.2	607252.0	4010216.1	180.5	558103827.4	185781.5	86433.7	6457.0	222.5466628	125.1315689	309.6742859	184.542717	4.196548588	3.702542067	
20	7073500	625078.6	3993776.4	129.5	611303.0	3993841.5	210.5	258269807.5	128363.5	59867.7	4314.0	206.5203669	129.4501953	279.3615112	149.9113159	3.905611516	3.455980897	
21	7074000	639556.8	3997385.5	105.7	615473.8	4003883.9	174.2	1223508109.0	260923.4	120290.4	10171.3	203.3214692	90.8863373	309.6742859	218.7856522	4.307106204	3.728960991	
22	7068510	716797.2	4056751.3	92.0	702951.3	4070964.0	171.4	503704035.2	188553.6	88591.1	5685.7	172.1296232	91.81044769	268.3520813	176.5416336	4.009394854	3.247873306	

Table S1. Covariate values.